

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008700.D
 Acq On : 15 Feb 2019 23:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:41 PM

Quant Time: Feb 16 02:55:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	322156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	470976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	245683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	199979	59.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.42%	
35) Dibromofluoromethane	7.88	113	177376	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
50) Toluene-d8	10.32	98	669897	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.62	95	246049	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	94389	45.745	ug/l	97
3) Chloromethane	2.21	50	134659	45.270	ug/l	98
4) Vinyl Chloride	2.36	62	169865	43.474	ug/l	97
5) Bromomethane	2.78	94	152753	49.406	ug/l	98
6) Chloroethane	2.92	64	139838	48.098	ug/l	96
7) Trichlorofluoromethane	3.25	101	132031	43.386	ug/l	99
8) Diethyl Ether	3.67	74	98414	54.192	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	158108	49.163	ug/l	97
10) Methyl Iodide	4.26	142	267850	53.362	ug/l	99
11) Tert butyl alcohol	5.17	59	71076	265.238	ug/l	97
12) 1,1-Dichloroethene	4.03	96	149823	47.637	ug/l	98
13) Acrolein	3.89	56	82936	300.396	ug/l	97
14) Allyl chloride	4.66	41	269506	51.577	ug/l	100
15) Acrylonitrile	5.36	53	213558	279.387	ug/l	99
16) Acetone	4.12	43	189367	248.466	ug/l	95
17) Carbon Disulfide	4.37	76	446938	47.090	ug/l	98
18) Methyl Acetate	4.67	43	95776	54.994	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	304148	55.088	ug/l	95
20) Methylene Chloride	4.90	84	180280	54.312	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	178934	51.951	ug/l	94
22) Diisopropyl ether	6.31	45	574496	54.626	ug/l	98
23) Vinyl Acetate	6.25	43	1829120	267.977	ug/l	99
24) 1,1-Dichloroethane	6.21	63	324976	53.550	ug/l	98
25) 2-Butanone	7.17	43	282526	262.525	ug/l	99
26) 2,2-Dichloropropane	7.16	77	175033	46.169	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	199479	53.560	ug/l	98
28) Bromochloromethane	7.51	49	154705	60.388	ug/l	97
29) Tetrahydrofuran	7.52	42	191932	270.581	ug/l	99
30) Chloroform	7.67	83	339281	55.795	ug/l	99
31) Cyclohexane	7.95	56	274088	44.747	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	265386	51.676	ug/l	99
36) 1,1-Dichloropropene	8.08	75	249611	48.493	ug/l	100
37) Ethyl Acetate	7.25	43	132787	53.478	ug/l	98
38) Carbon Tetrachloride	8.06	117	251124	49.062	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	298025	45.775	ug/l	98
40) Benzene	8.32	78	723157	51.441	ug/l	100
41) Methacrylonitrile	7.48	41	81398	58.264	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	235690	54.051	ug/l	100
43) Isopropyl Acetate	8.42	43	262531	53.024	ug/l	98
44) Trichloroethene	9.09	130	196627	50.445	ug/l	100
45) 1,2-Dichloropropane	9.37	63	183927	52.866	ug/l	99
46) Dibromomethane	9.45	93	106307	55.469	ug/l	98
47) Bromodichloromethane	9.64	83	254173	55.184	ug/l	100
48) Methyl methacrylate	9.43	41	122790	53.514	ug/l	99
49) 1,4-Dioxane	9.45	88	35606	1163.896	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	676930	266.155	ug/l	100
52) Toluene	10.38	92	465062	51.279	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	248429	51.342	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	289211	52.726	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	140458	53.412	ug/l	98
56) Ethyl methacrylate	10.65	69	186021	53.273	ug/l	99
57) 1,3-Dichloropropane	10.93	76	249796	53.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	419349	250.347	ug/l	99
59) 2-Hexanone	10.97	43	457871	256.265	ug/l	100
60) Dibromochloromethane	11.13	129	170487	54.184	ug/l	99
61) 1,2-Dibromoethane	11.24	107	139734	53.968	ug/l	99
64) Tetrachloroethene	10.86	164	182322	52.057	ug/l	98
65) Chlorobenzene	11.66	112	517681	50.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	189392	52.666	ug/l	98
67) Ethyl Benzene	11.73	91	904421	50.016	ug/l	97
68) m/p-Xylenes	11.84	106	698232	99.241	ug/l	100
69) o-Xylene	12.16	106	334505	50.298	ug/l	100
70) Styrene	12.18	104	552374	50.851	ug/l	99
71) Bromoform	12.35	173	101366	52.315	ug/l #	99
73) Isopropylbenzene	12.46	105	895846	48.952	ug/l	100
74) N-amyl acetate	12.27	43	251087	50.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	168643	52.965	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	119880m	49.415	ug/l	
77) Bromobenzene	12.75	156	218419	51.921	ug/l	98
78) n-propylbenzene	12.80	91	1066049	49.027	ug/l	100
79) 2-Chlorotoluene	12.90	91	620609	50.500	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	760561	50.035	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47616	43.613	ug/l	99
82) 4-Chlorotoluene	12.99	91	645445	49.559	ug/l	100
83) tert-Butylbenzene	13.21	119	658735	49.908	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	784225	50.196	ug/l	100
85) sec-Butylbenzene	13.38	105	938011	48.808	ug/l	100
86) p-Isopropyltoluene	13.50	119	838288	48.758	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	426081	49.964	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	424714	50.534	ug/l	99
89) n-Butylbenzene	13.83	91	786186	48.120	ug/l	99
90) Hexachloroethane	14.10	117	155953	51.919	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	389098	51.499	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28495	51.500	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	269843	50.172	ug/l	99
94) Hexachlorobutadiene	15.24	225	157789	50.400	ug/l	99
95) Naphthalene	15.37	128	509269	52.838	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	238384	51.652	ug/l	99

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

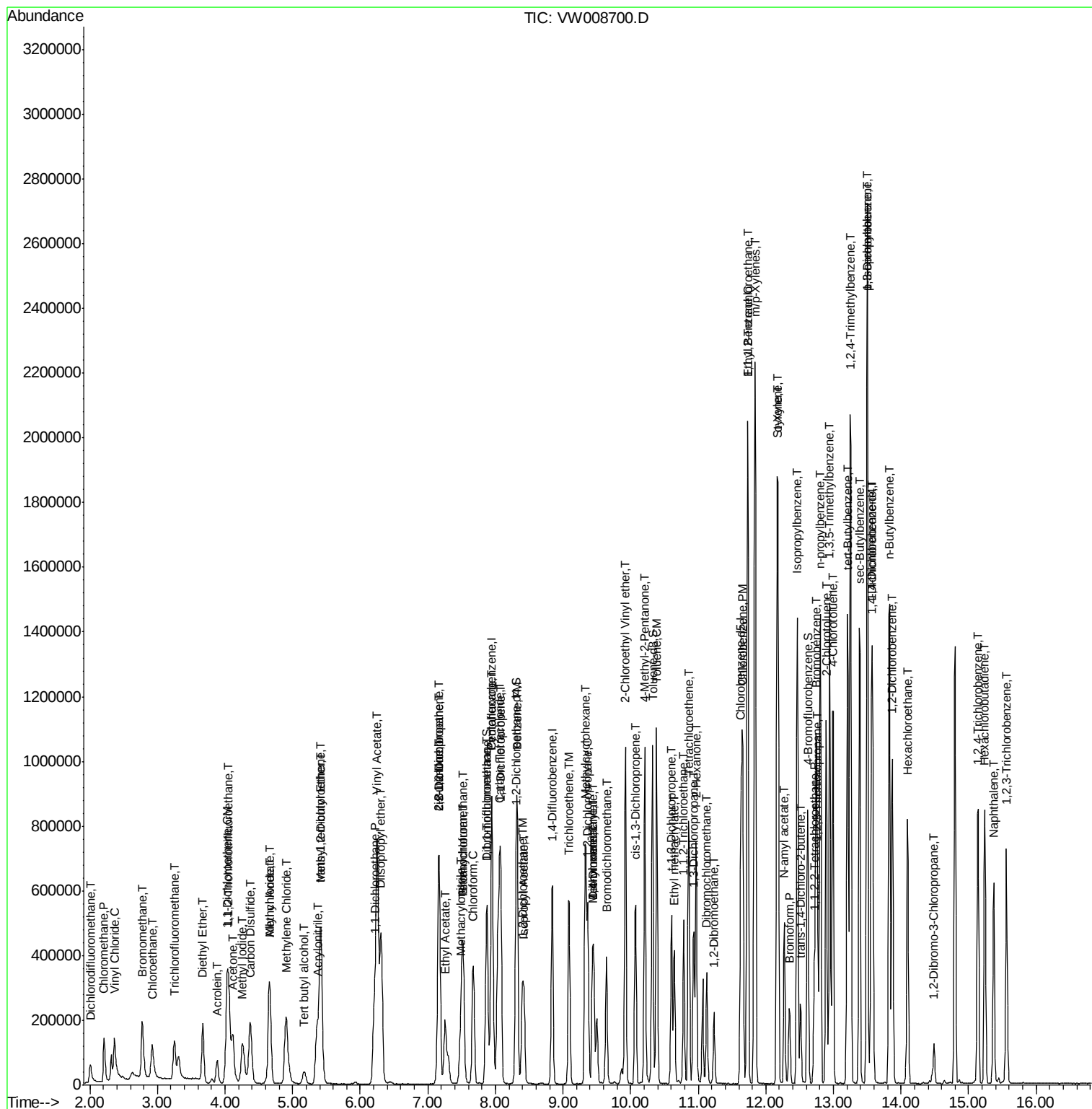
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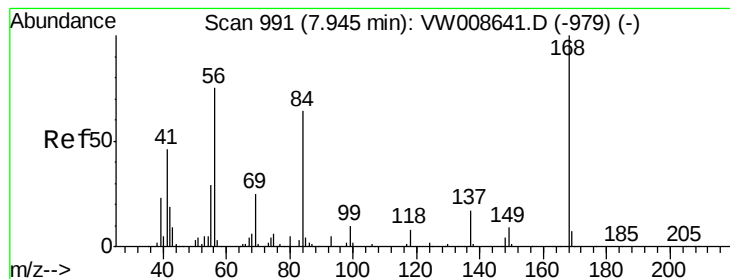
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 322156

Ion Ratio Lower Upper

168 100

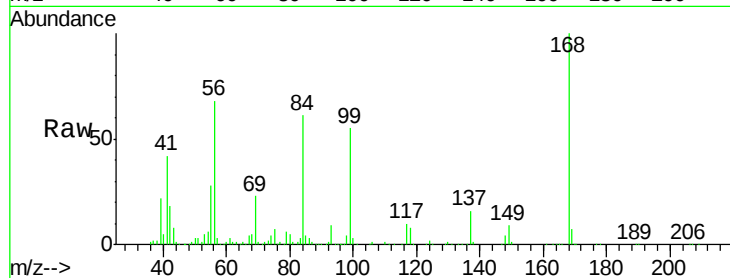
99 54.5 42.8 64.2

Manual Integrations

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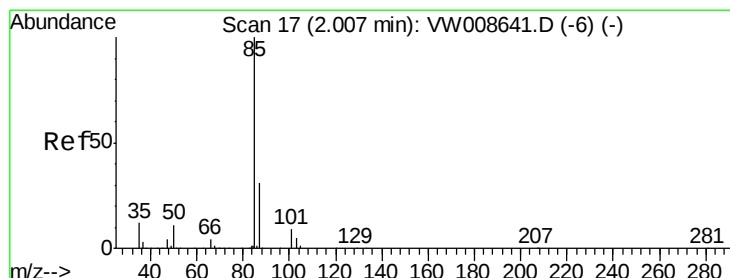
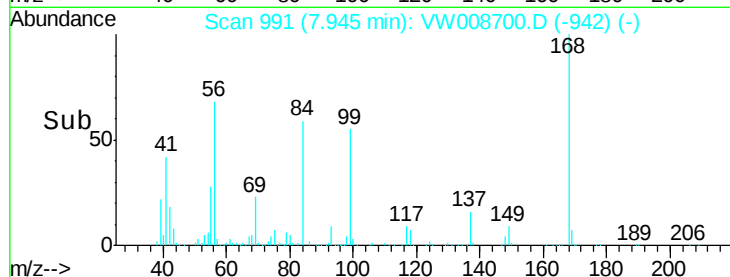
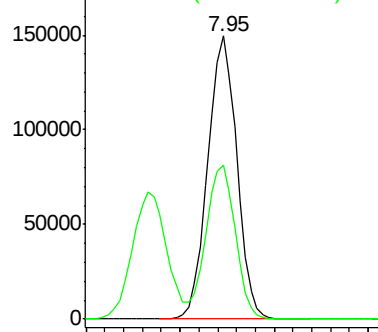
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.745 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008700.D

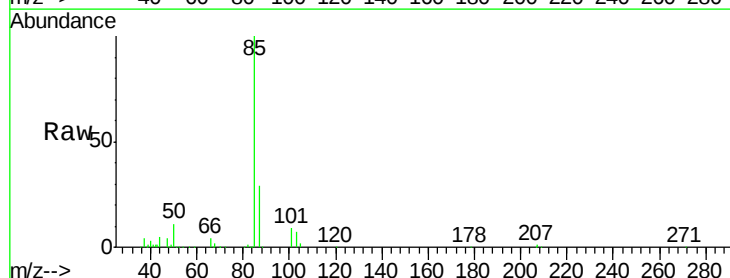
Acq: 15 Feb 2019 23:29

Tgt Ion: 85 Resp: 94389

Ion Ratio Lower Upper

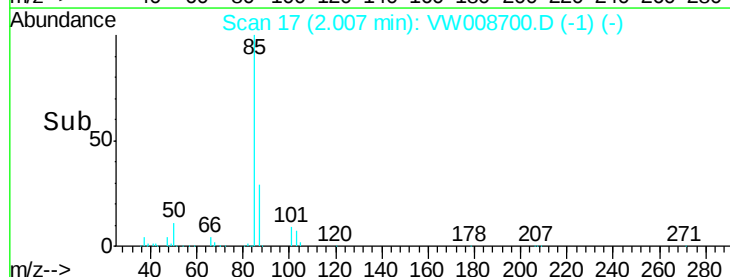
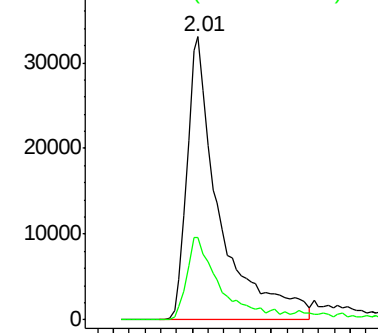
85 100

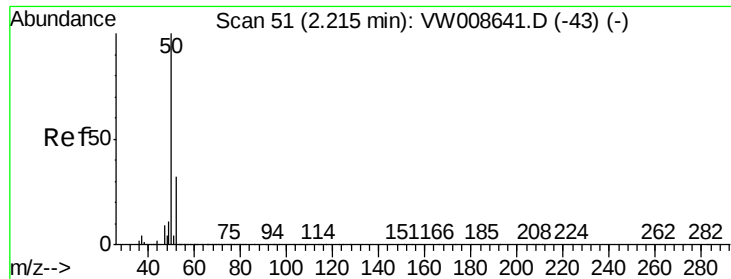
87 29.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.270 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 134659

Ion Ratio Lower Upper

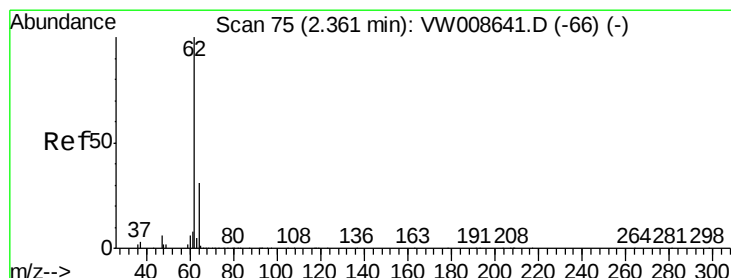
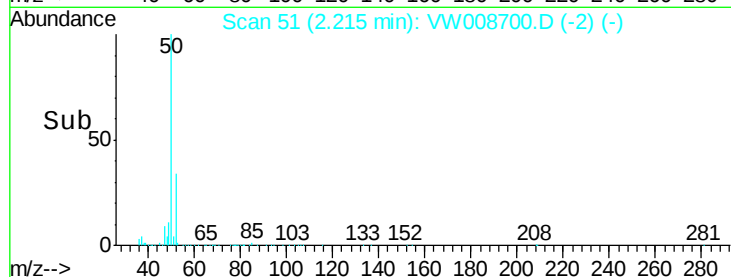
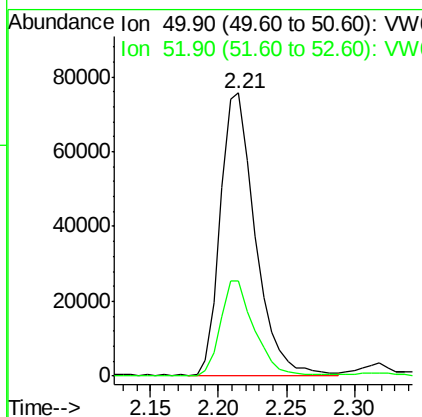
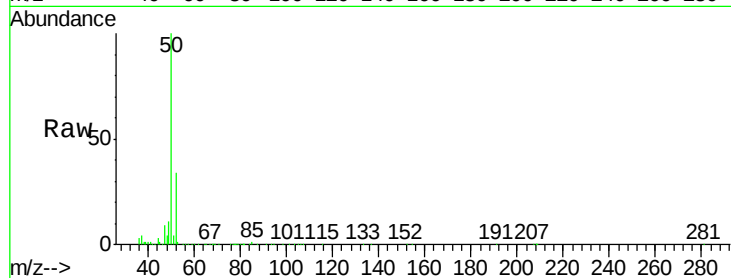
50 100

52 33.9 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 43.474 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008700.D

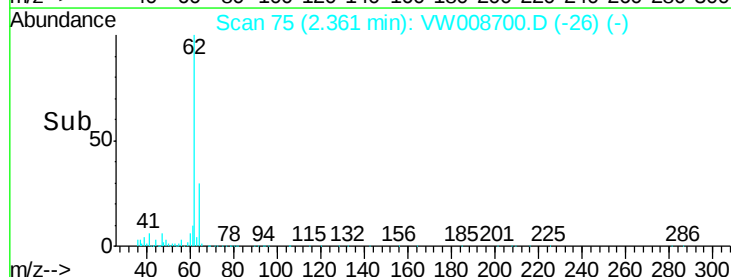
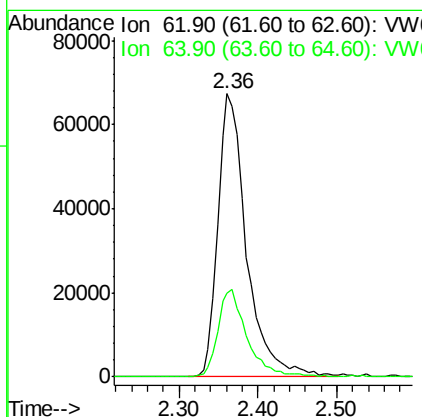
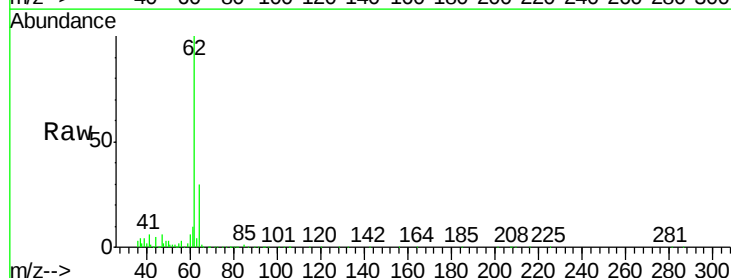
Acq: 15 Feb 2019 23:29

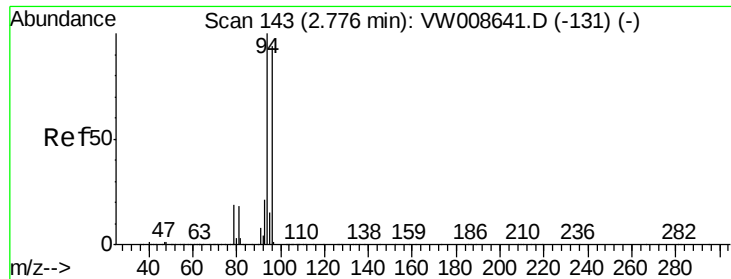
Tgt Ion: 62 Resp: 169865

Ion Ratio Lower Upper

62 100

64 29.5 25.1 37.7





#5

Bromomethane

Concen: 49.406 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

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Tot Ion: 94 Resp: 152753

Ion Ratio Lower Upper

94 100

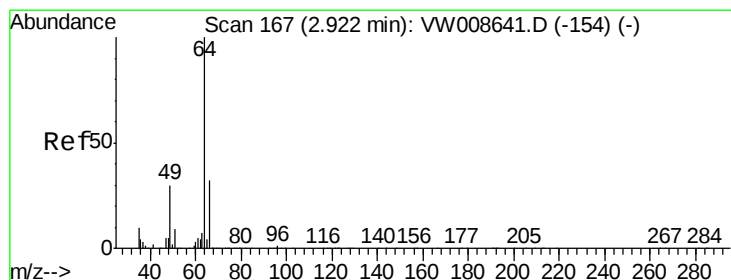
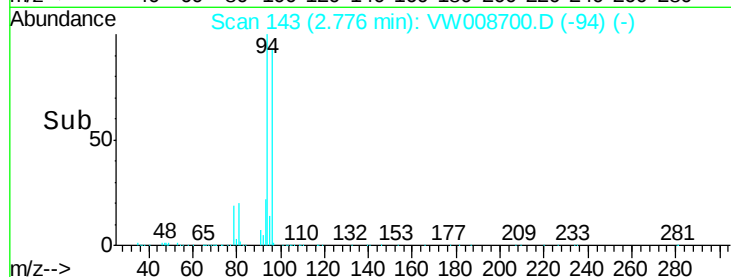
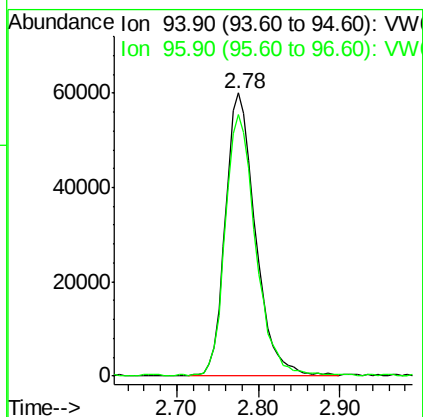
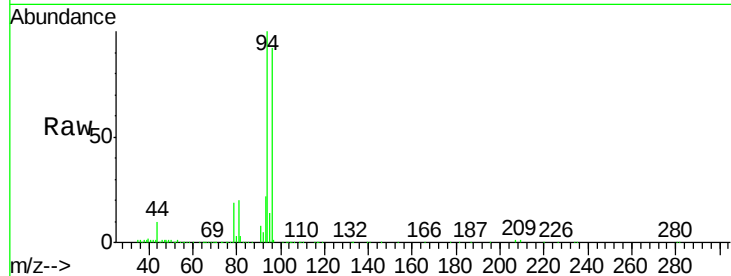
96 92.3 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 48.098 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008700.D

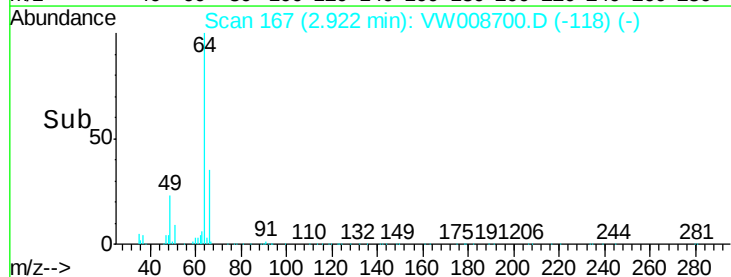
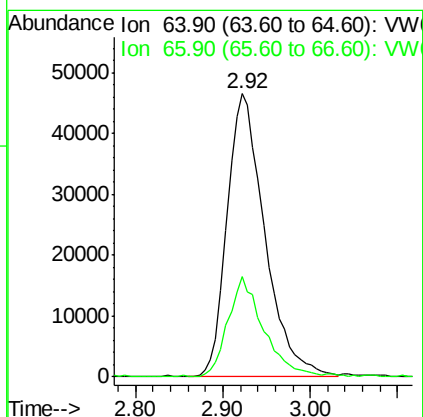
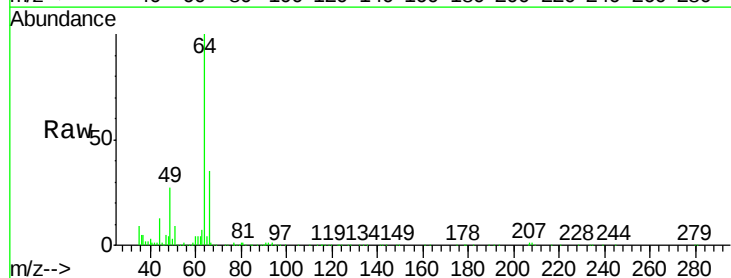
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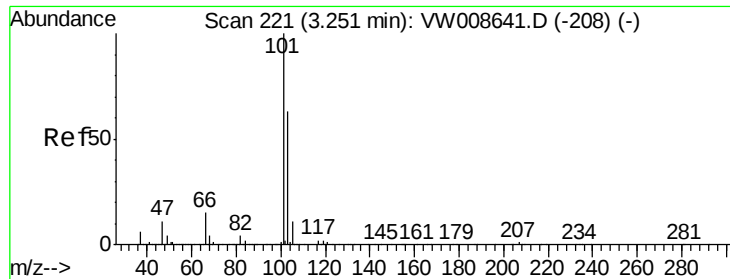
Tgt Ion: 64 Resp: 139838

Ion Ratio Lower Upper

64 100

66 35.0 26.2 39.4





#7

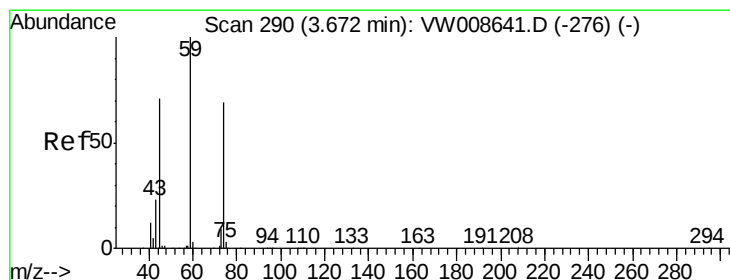
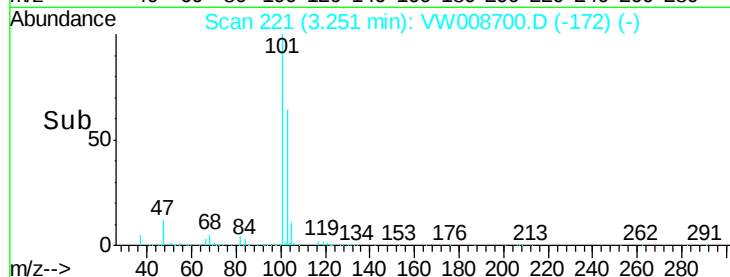
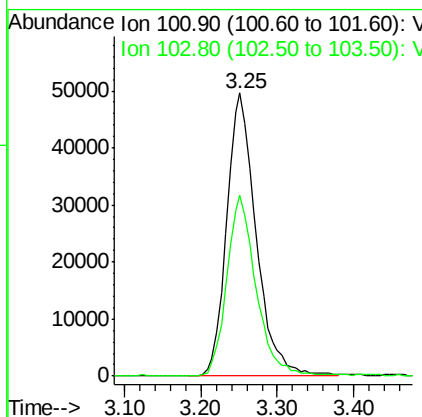
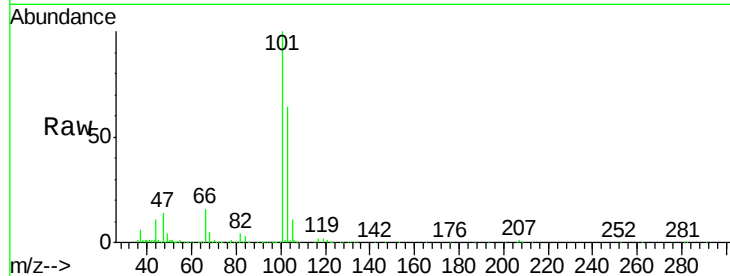
Trichlorofluoromethane
 Concen: 43.386 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.5	75.7

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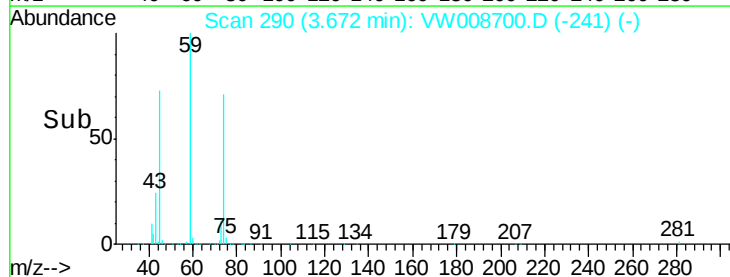
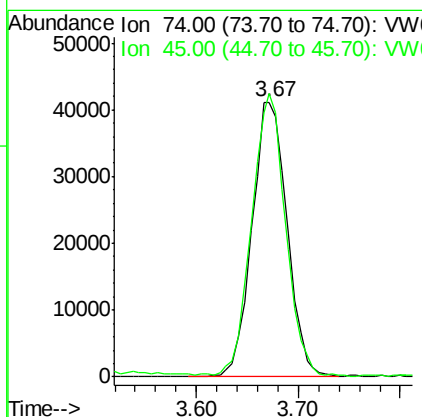
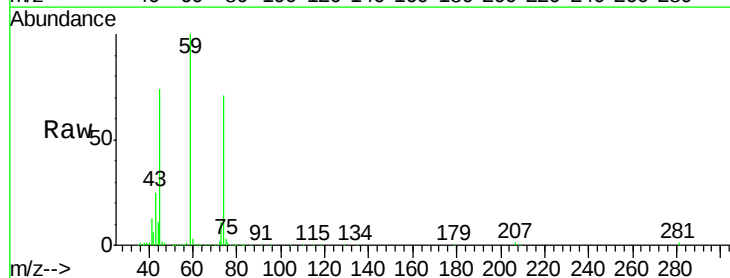
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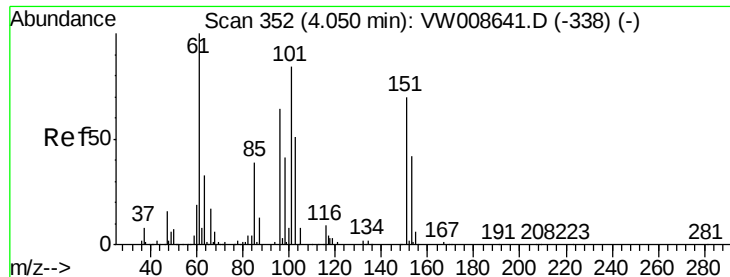


#8

Diethyl Ether
 Concen: 54.192 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.163 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

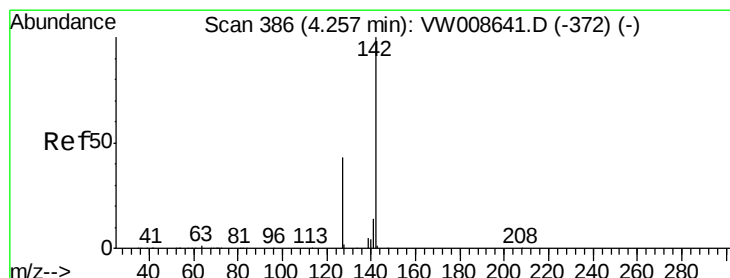
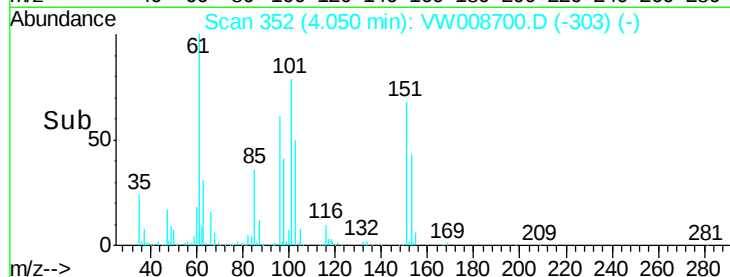
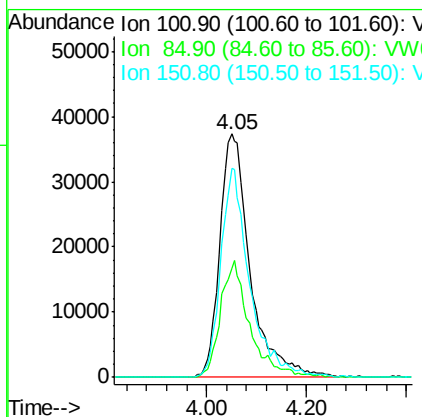
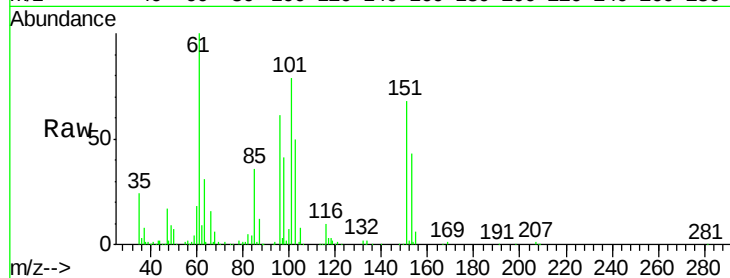
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	158108
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.3	51.5
151	79.0	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 53.362 ug/l

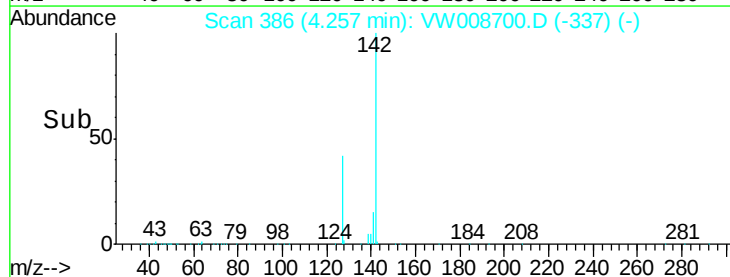
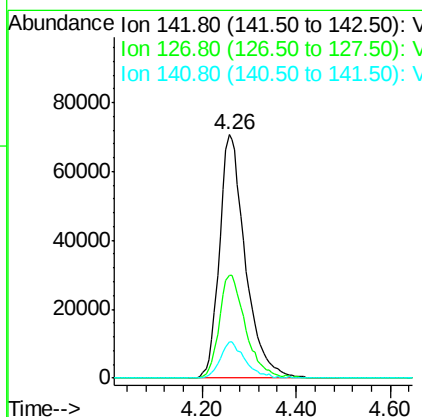
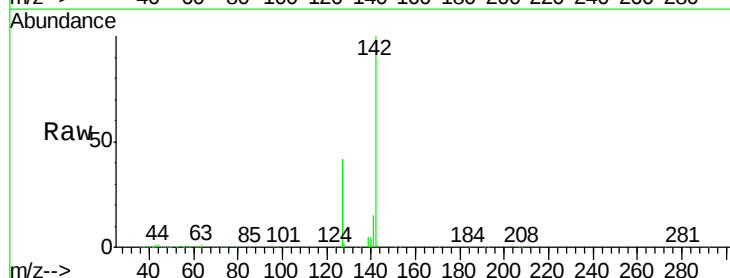
RT: 4.26 min Scan# 386

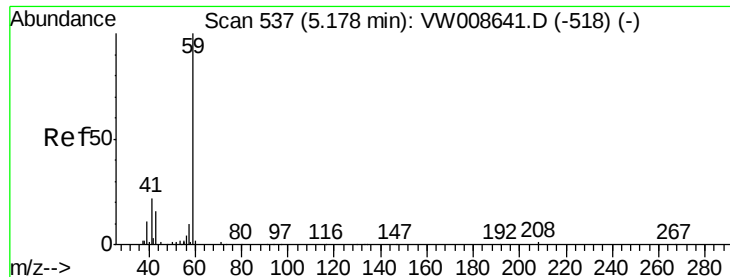
Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	142	Resp:	267850
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.8	52.2
141	14.6	11.8	17.8





#11

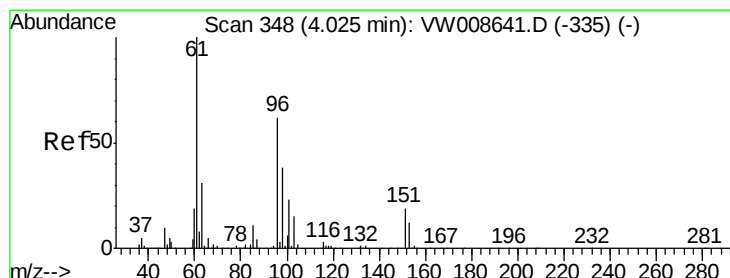
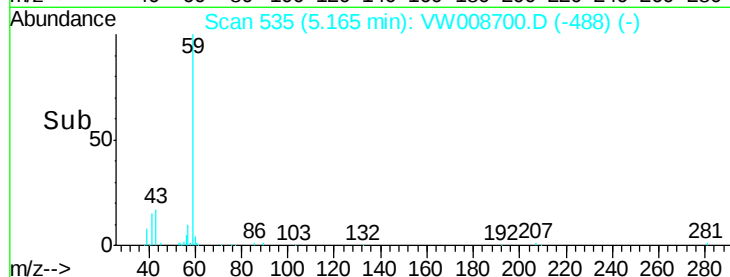
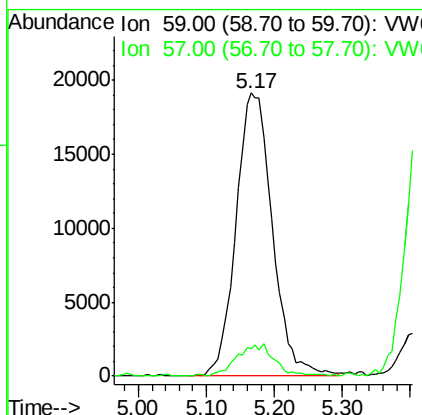
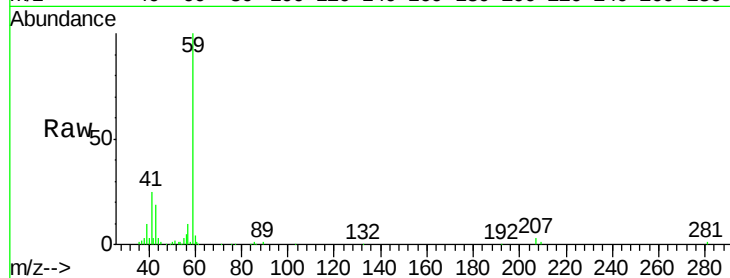
Tert butyl alcohol
Concen: 265.238 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.3	12.5

Manual Integrations
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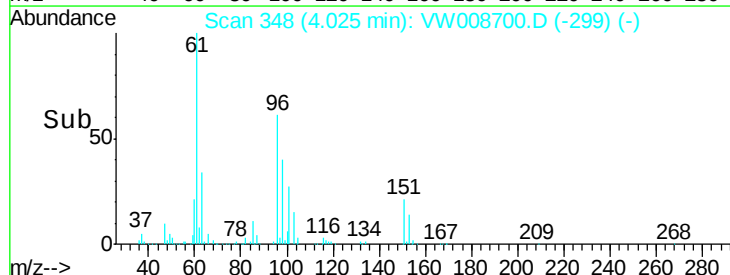
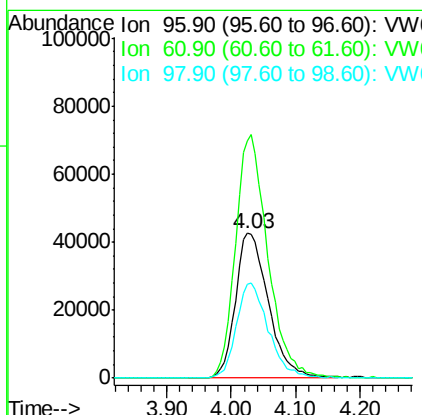
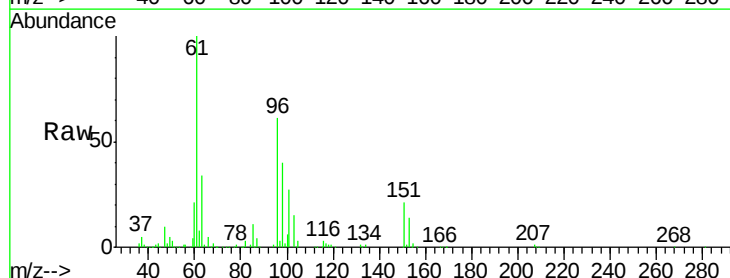
MMDadoda
2/18/2019 2:34:41 PM

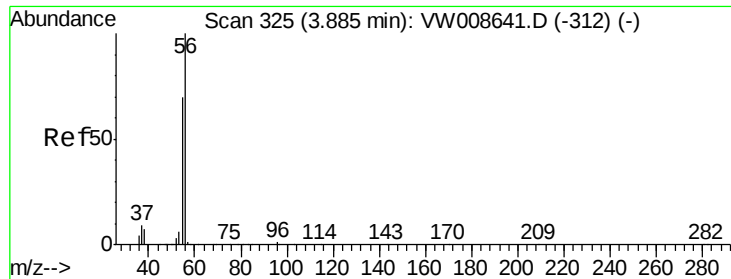


#12

1,1-Dichloroethene
Concen: 47.637 ug/l
RT: 4.03 min Scan# 348
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	129.8	194.6
98	65.2	49.3	73.9





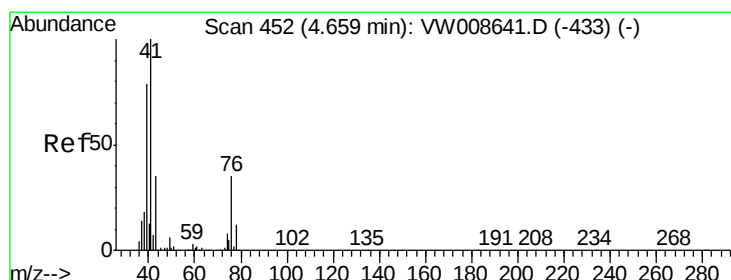
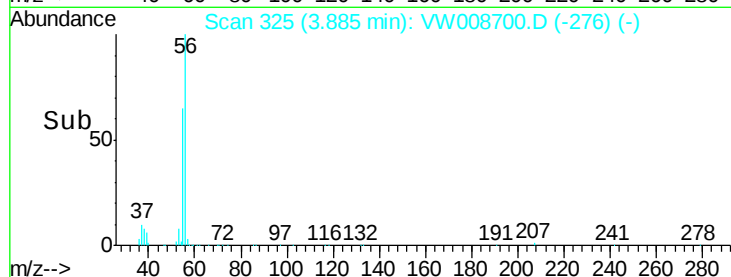
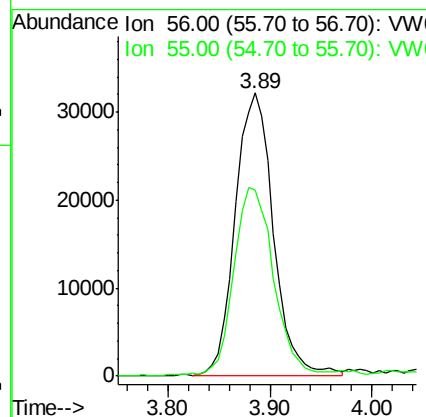
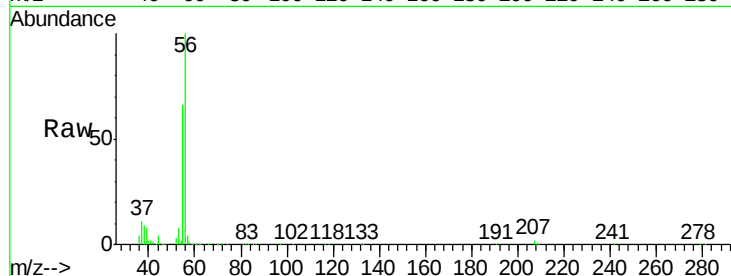
#13
Acrolein
Concen: 300.396 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.4	86.2

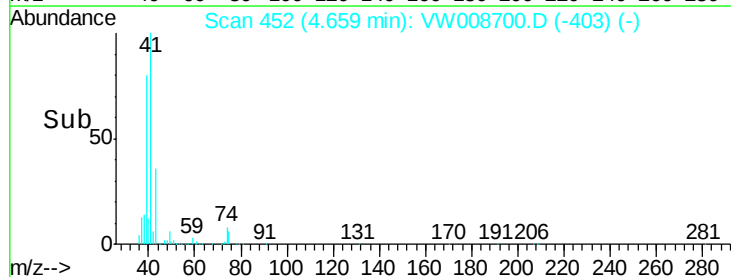
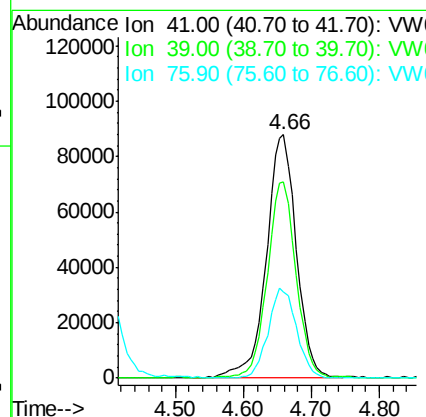
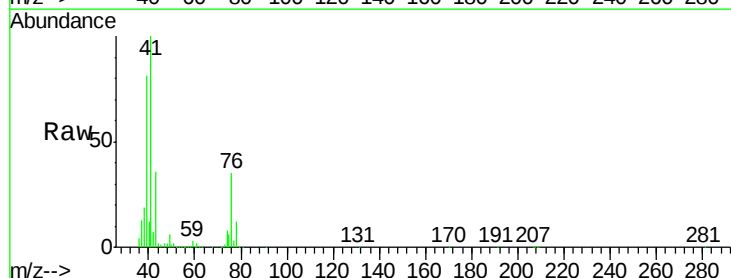
Manual Integrations
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#14
Allyl chloride
Concen: 51.577 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.3	61.7	92.5
76	35.0	27.7	41.5





#15

Acrylonitrile

Concen: 279.387 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

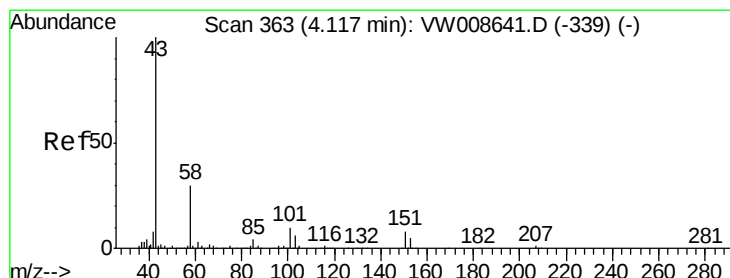
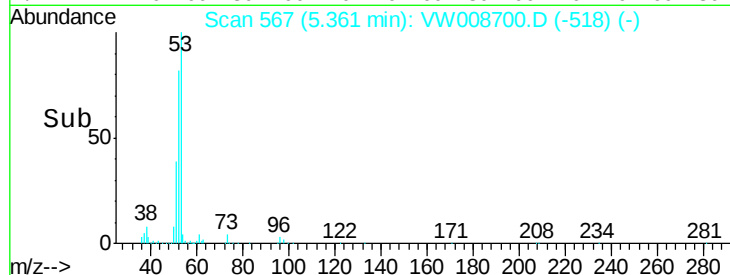
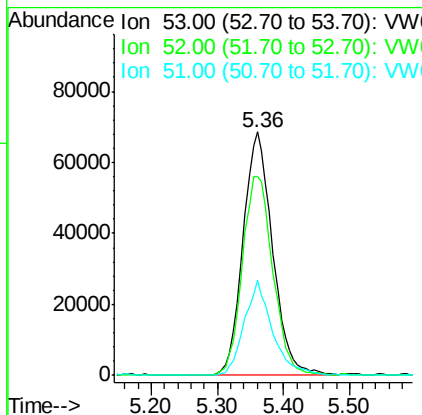
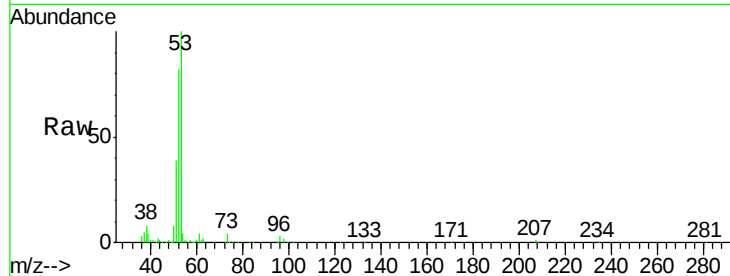
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	213558
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.8	100.2
51	37.3	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 248.466 ug/l

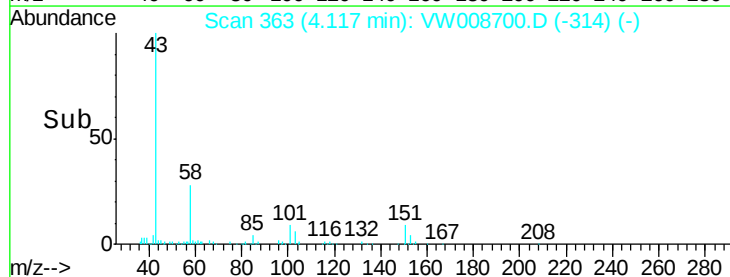
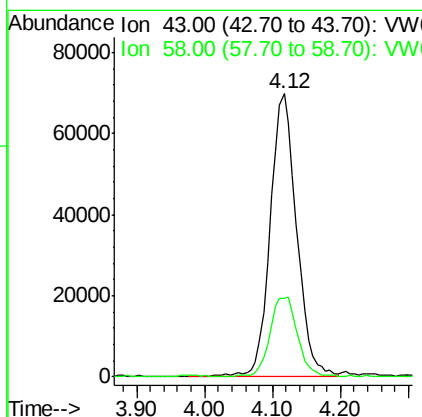
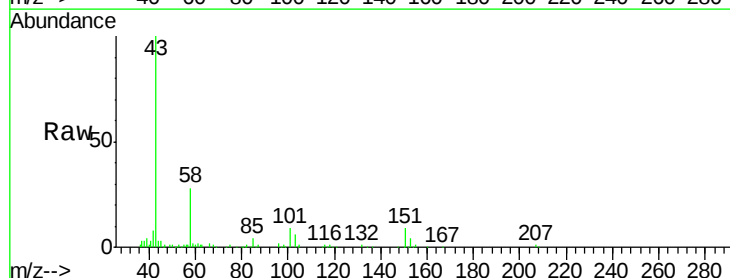
RT: 4.12 min Scan# 363

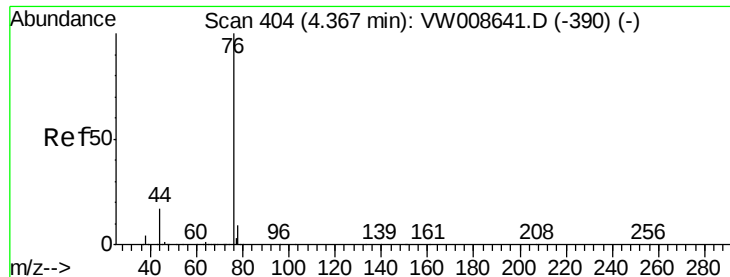
Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	43	Resp:	189367
Ion Ratio	Lower	Upper	
43	100		
58	27.4	24.1	36.1





#17

Carbon Disulfide

Concen: 47.090 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 446938

Ion Ratio Lower Upper

76 100

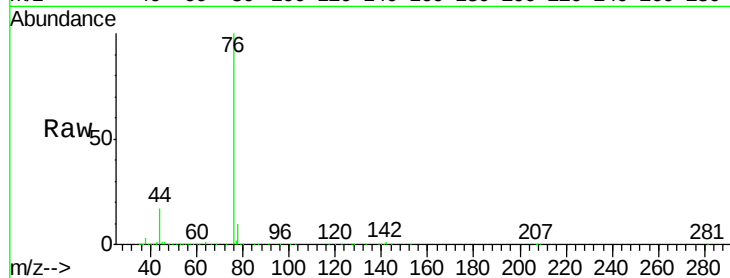
78 9.6 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

150000

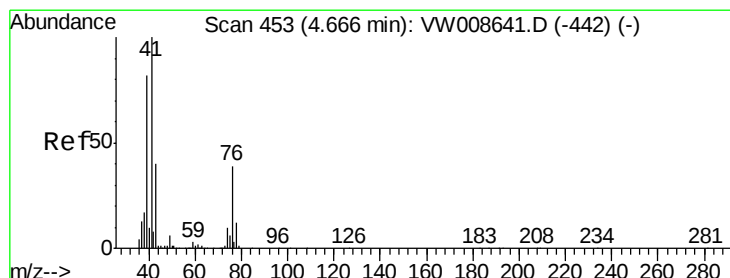
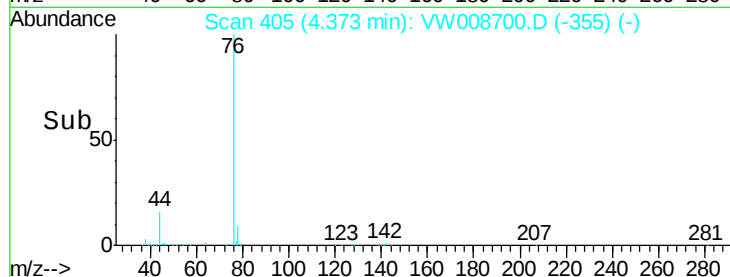
100000

50000

0

Time-->

4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 54.994 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008700.D

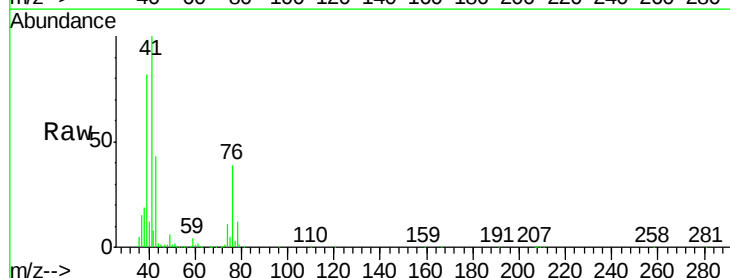
Acq: 15 Feb 2019 23:29

Tgt Ion: 43 Resp: 95776

Ion Ratio Lower Upper

43 100

74 23.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

30000

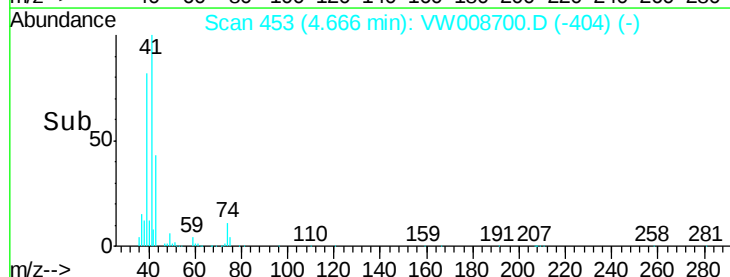
20000

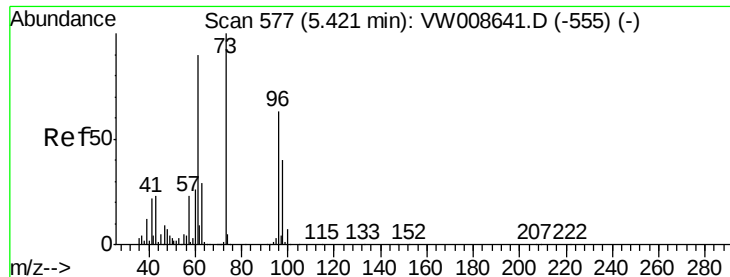
10000

0

Time-->

4.60 4.70





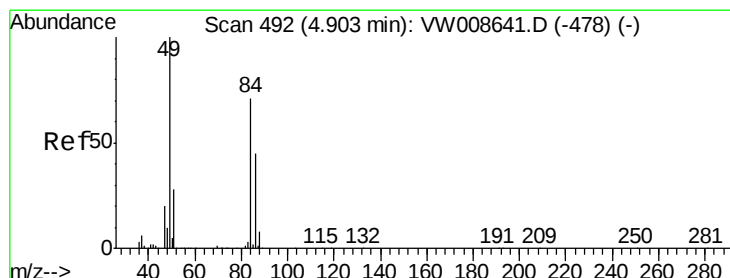
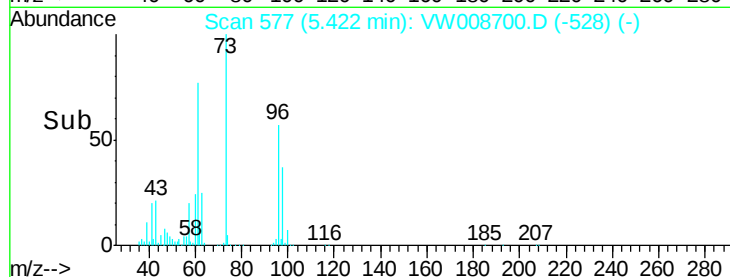
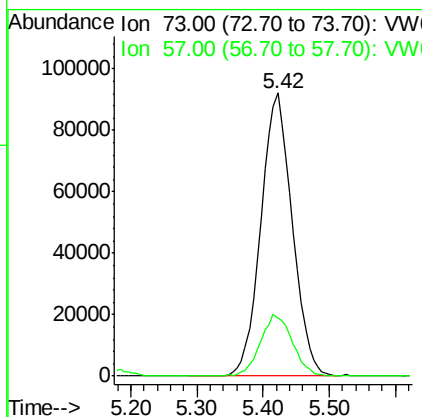
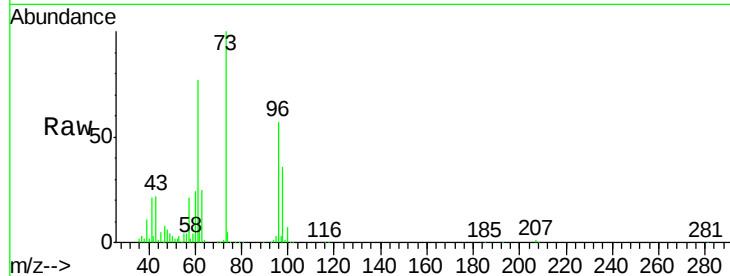
#19
Methvl tert-butvl Ether
Concen: 55.088 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 304148
Ion Ratio Lower Upper
73 100
57 20.5 18.2 27.2

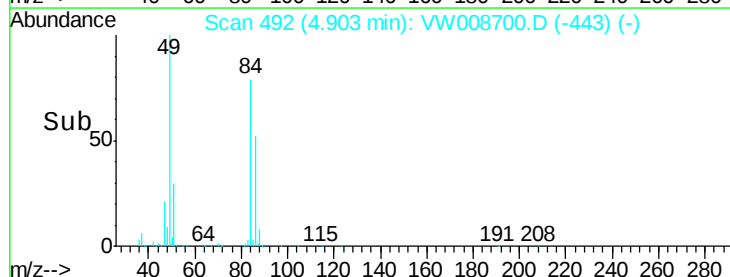
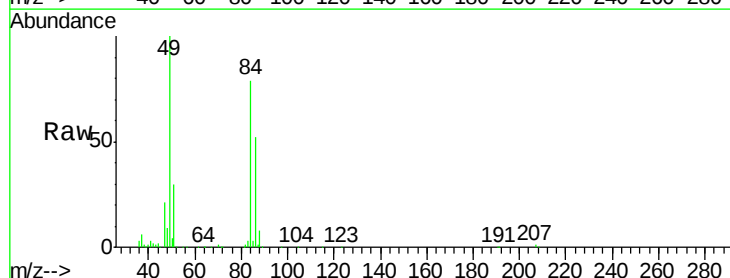
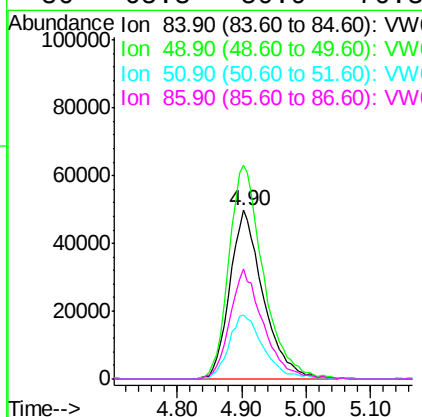
Manual Integrations
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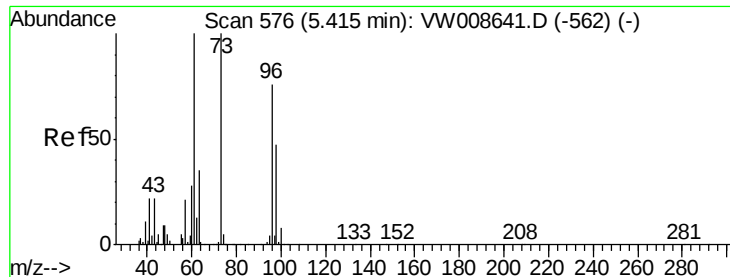
MMDadoda
2/18/2019 2:34:41 PM



#20
Methylene Chloride
Concen: 54.312 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion: 84 Resp: 180280
Ion Ratio Lower Upper
84 100
49 126.8 113.3 169.9
51 38.2 32.1 48.1
86 65.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.951 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

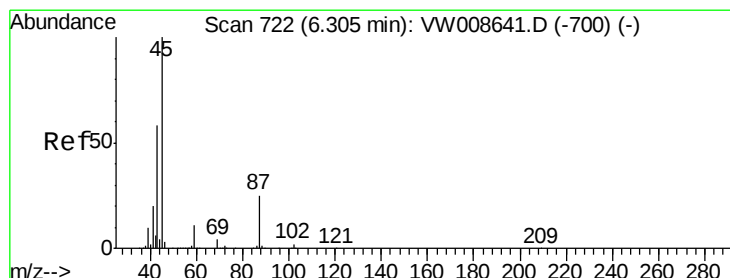
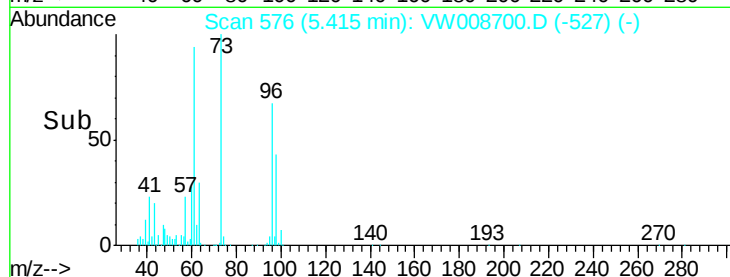
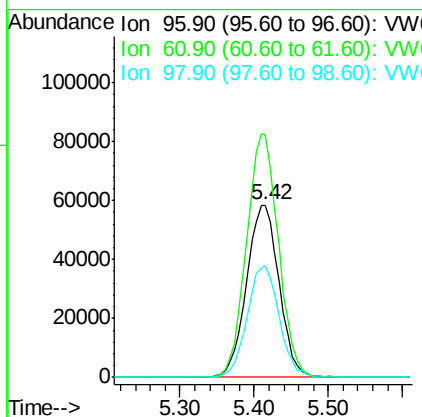
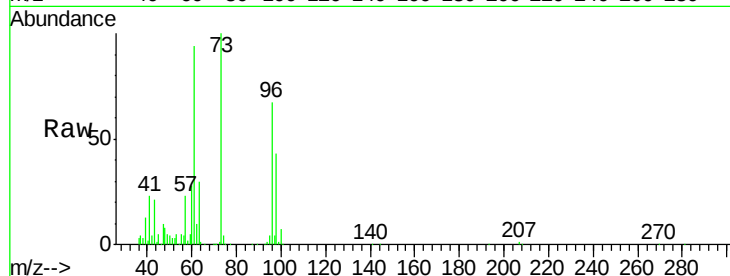
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	178934
Ion	Ratio	Lower	Upper
96	100		
61	140.5	105.9	158.9
98	64.8	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.626 ug/l

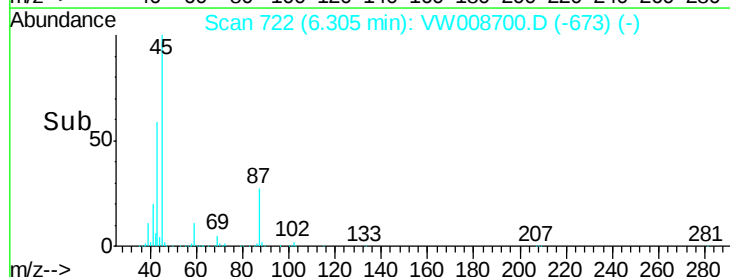
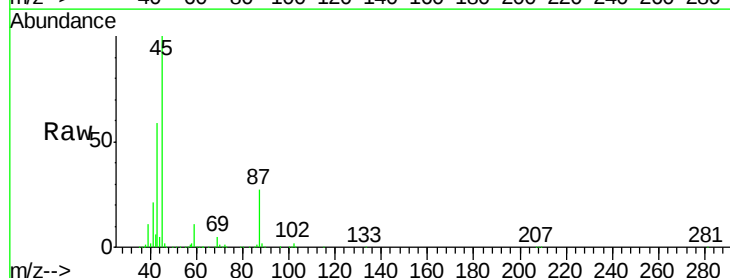
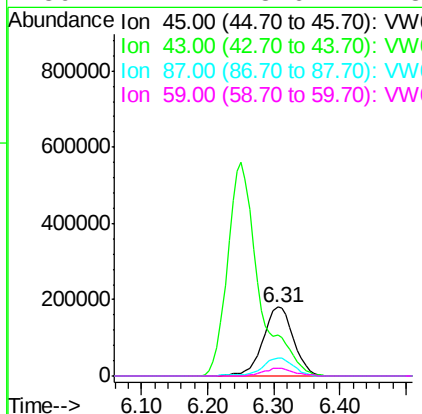
RT: 6.31 min Scan# 722

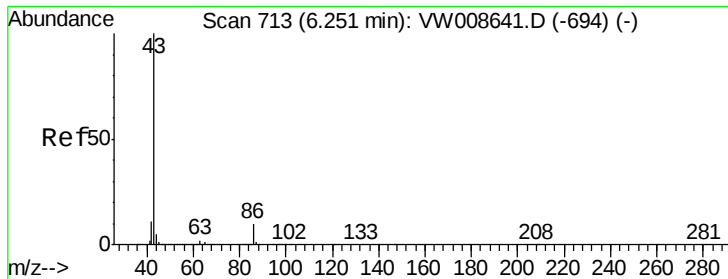
Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	45	Resp:	574496
Ion	Ratio	Lower	Upper
45	100		
43	58.8	46.1	69.1
87	26.7	20.5	30.7
59	11.1	8.6	12.8





#23

Vinyl Acetate

Concen: 267.977 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1829120

Ion Ratio Lower Upper

43 100

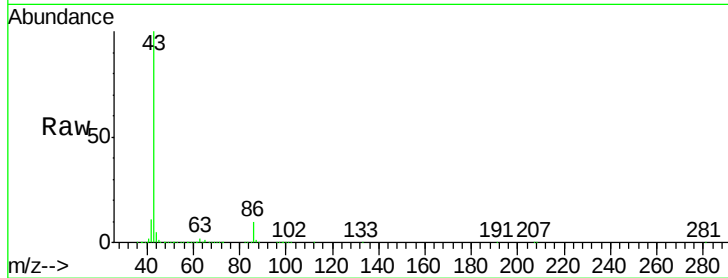
86 9.7 7.9 11.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

600000

500000

400000

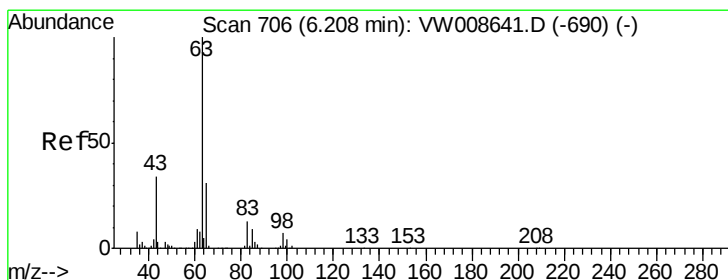
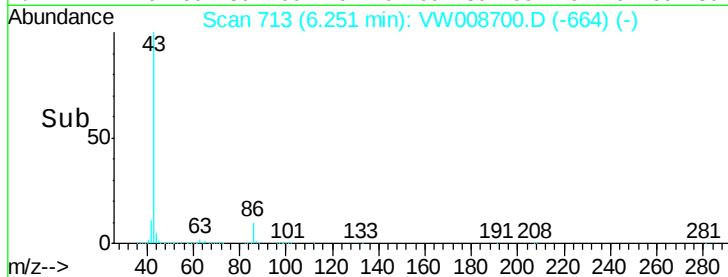
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.550 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

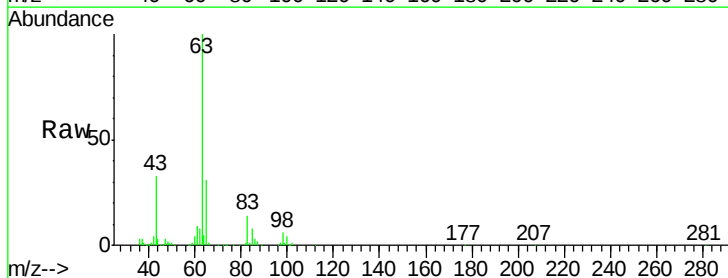
Tgt Ion: 63 Resp: 324976

Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.8

100 4.5 2.2 6.6



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

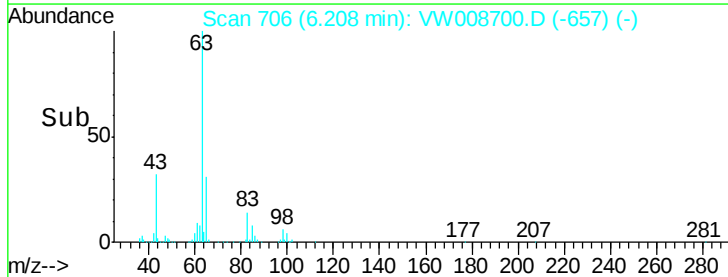
150000

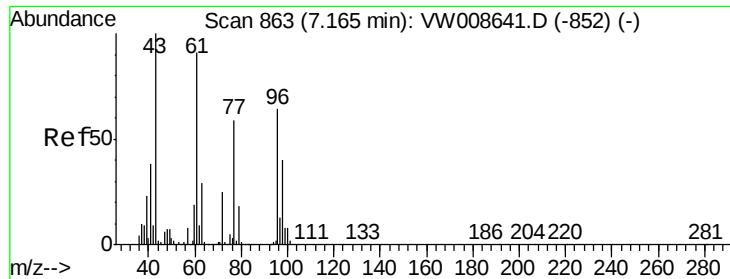
100000

50000

0

Time-->





#25

2-Butanone

Concen: 262.525 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 282526

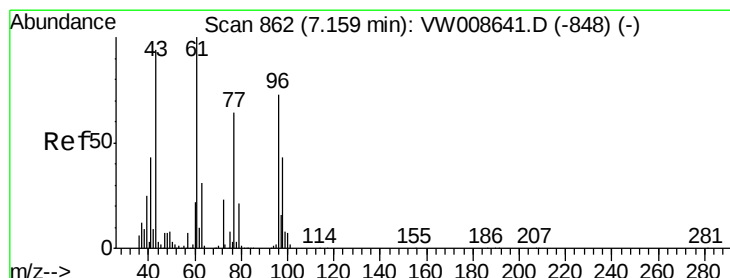
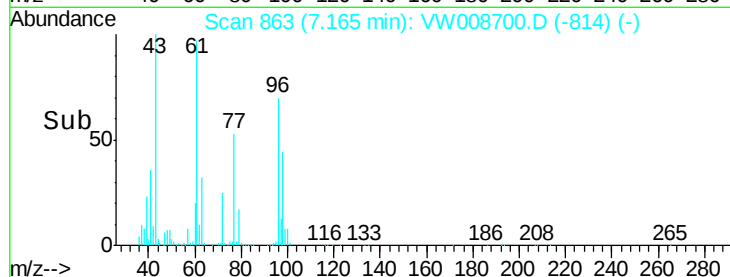
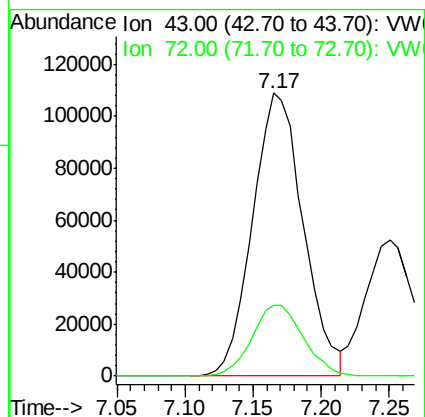
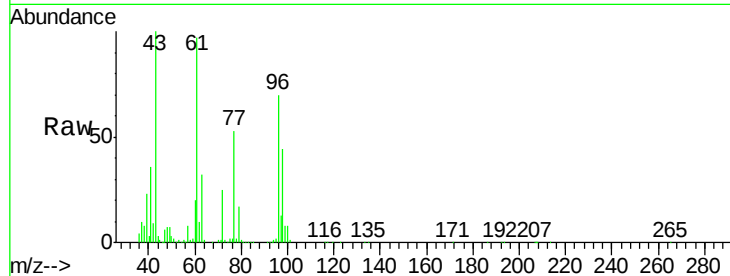
Ion Ratio Lower Upper

43 100

72 25.0 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:41 PM



#26

2,2-Dichloropropane

Concen: 46.169 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008700.D

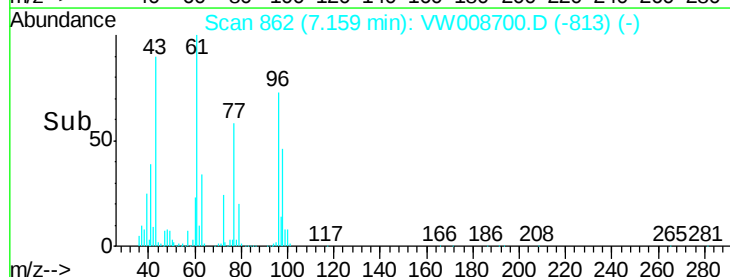
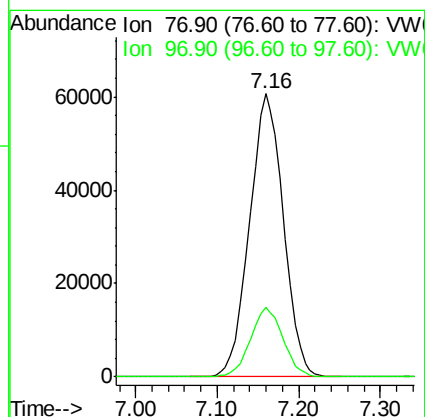
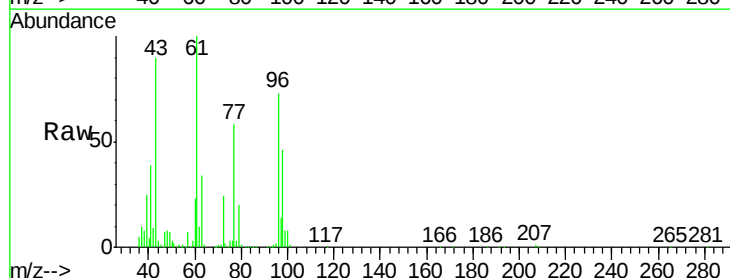
Acq: 15 Feb 2019 23:29

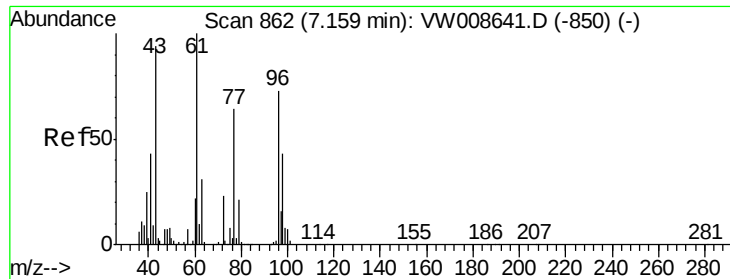
Tgt Ion: 77 Resp: 175033

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

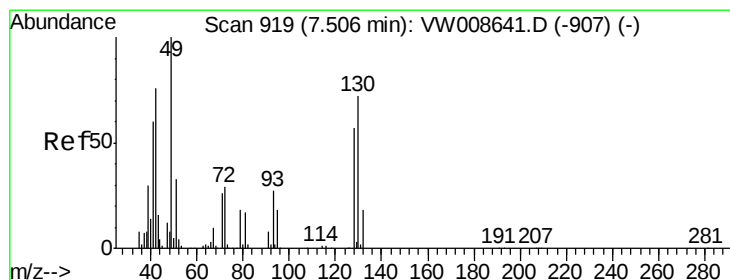
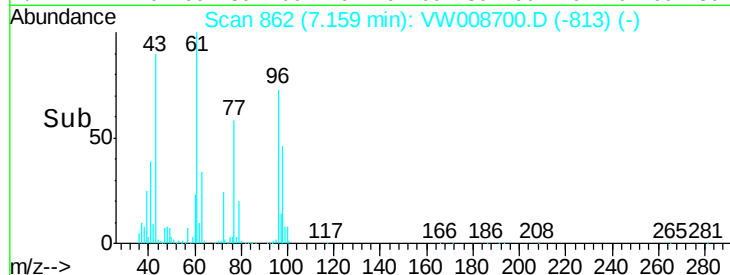
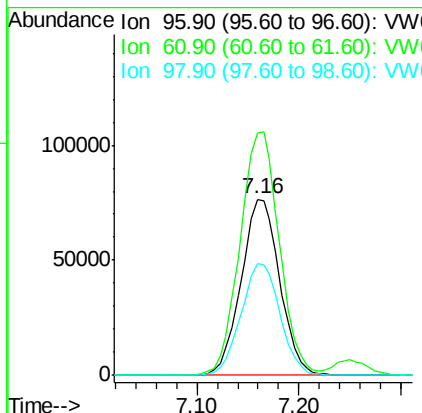
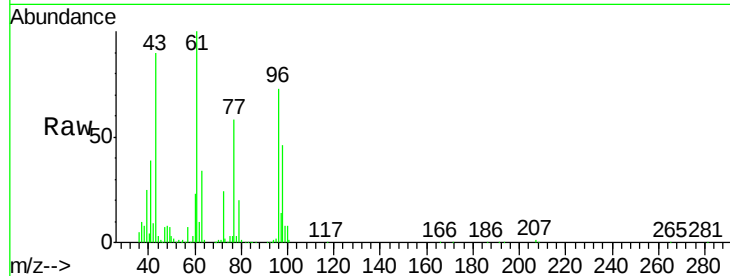
cis-1,2-Dichloroethene
 Concen: 53.560 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	199479		
61	141.9	0.0	286.4	
98	64.6	0.0	125.0	

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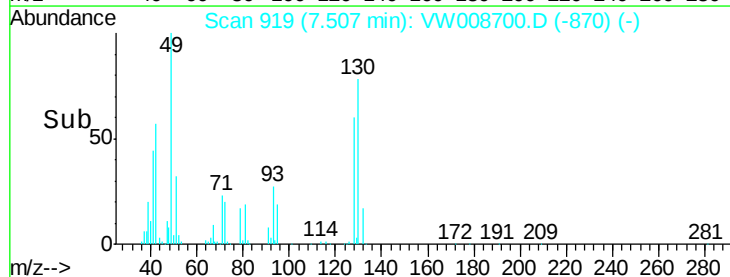
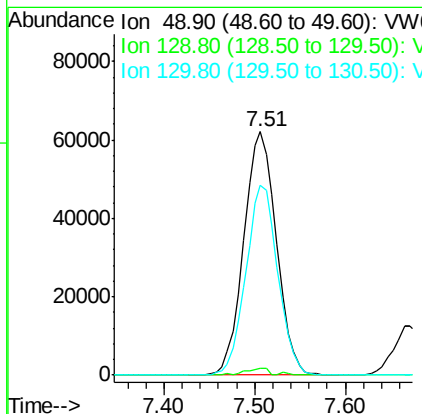
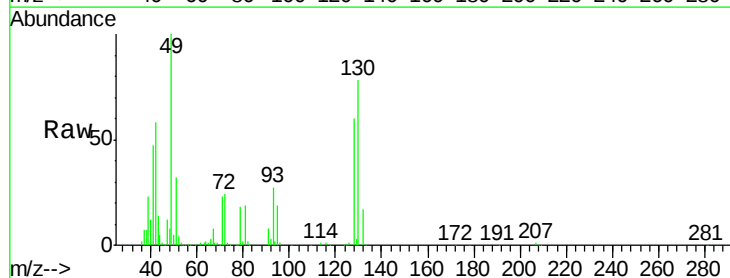
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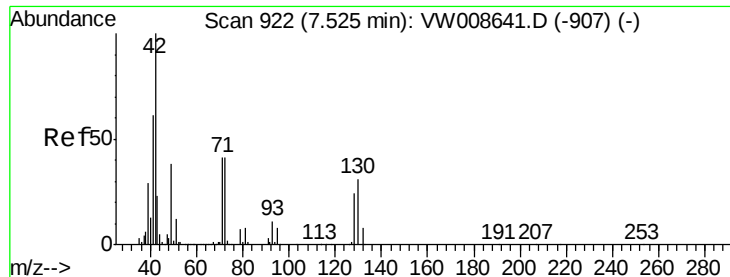


#28

Bromochloromethane
 Concen: 60.388 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	154705		
129	1.9	0.0	3.2	
130	76.4	59.4	89.0	





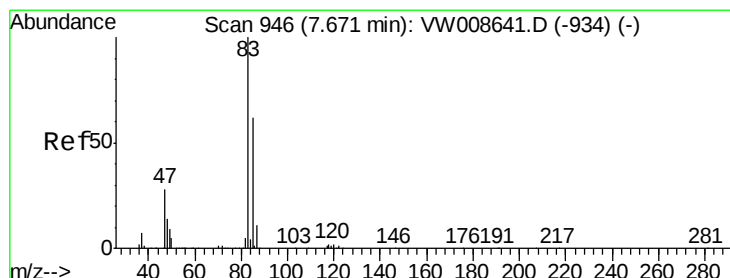
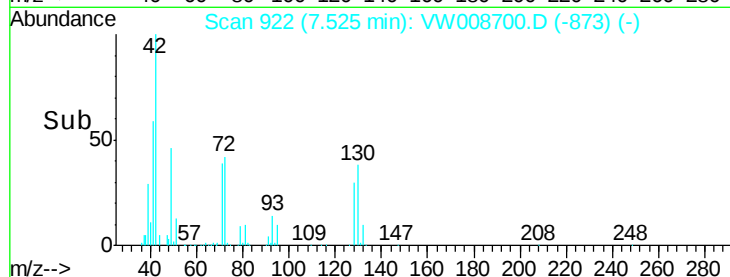
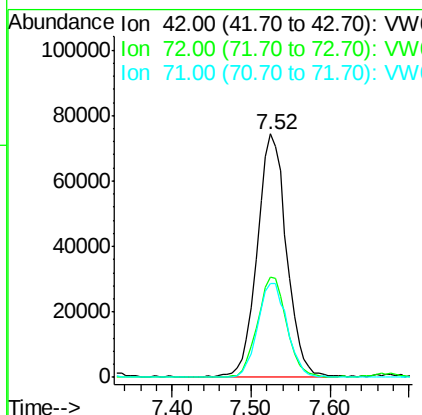
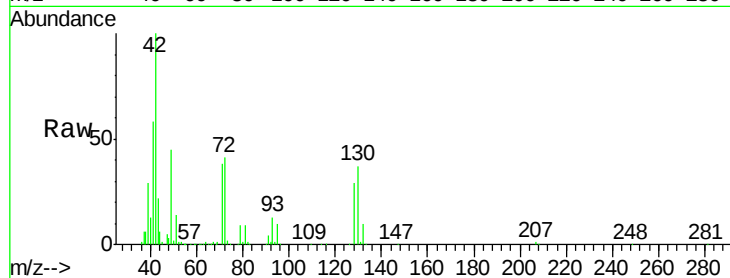
#29
Tetrahydrofuran
Concen: 270.581 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.2	48.2
71	39.1	31.0	46.6

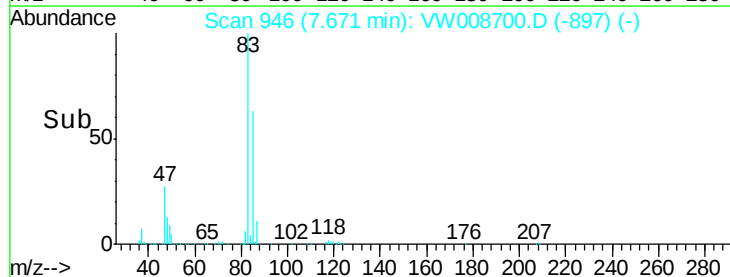
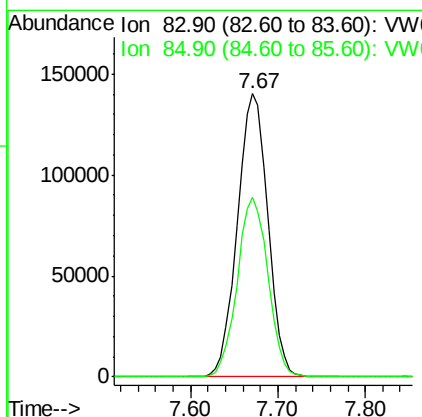
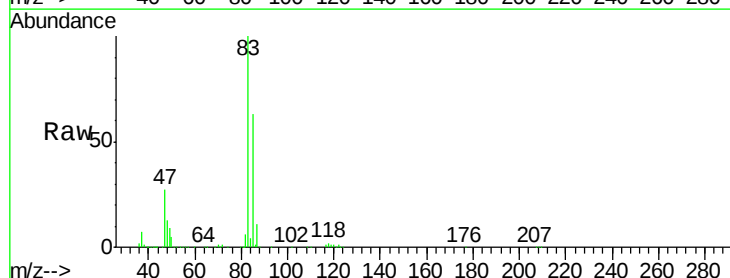
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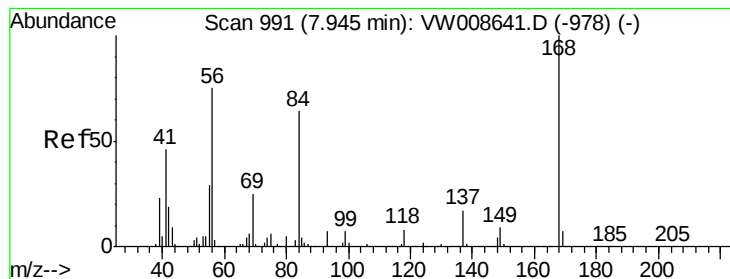
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#30
Chloroform
Concen: 55.795 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.8	74.8





#31

Cyclohexane

Concen: 44.747 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

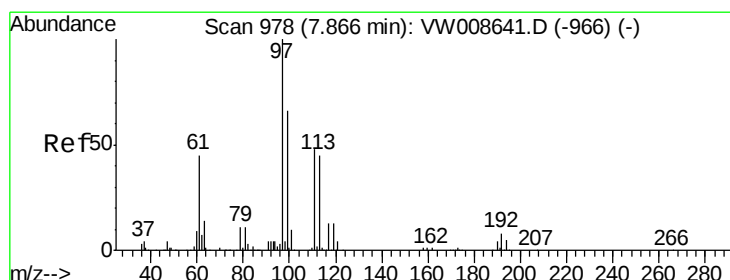
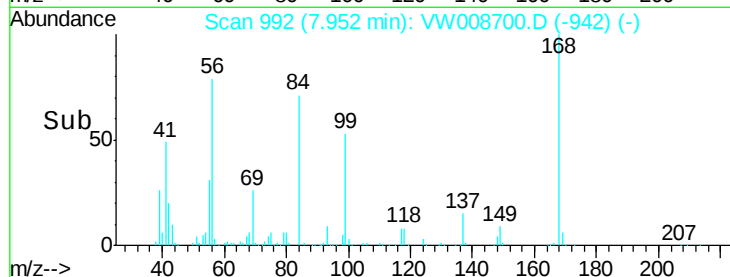
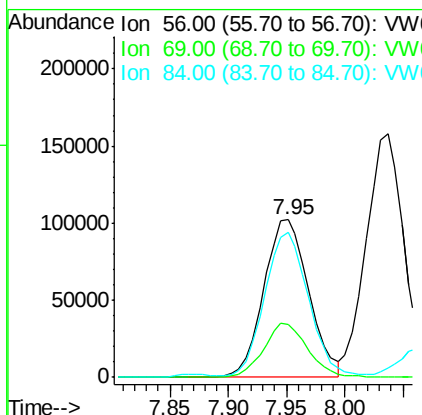
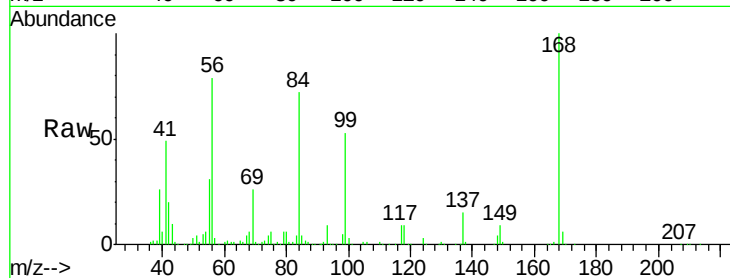
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	274088
Ion Ratio	Lower	Upper	
56	100		
69	33.5	26.4	39.6
84	90.3	67.4	101.2

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#32

1,1,1-Trichloroethane

Concen: 51.676 ug/l

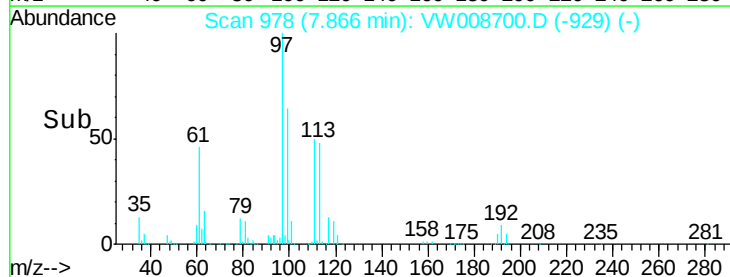
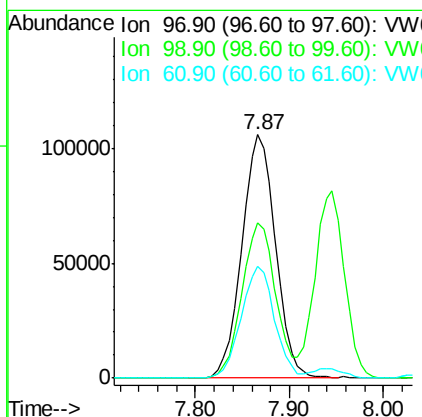
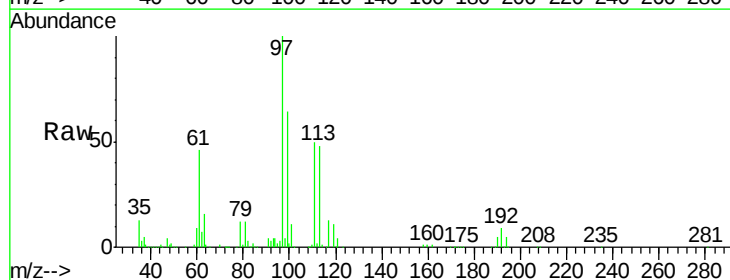
RT: 7.87 min Scan# 978

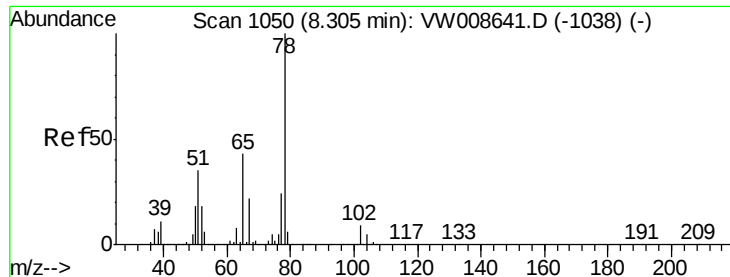
Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	97	Resp:	265386
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.6	77.4
61	45.5	35.8	53.6





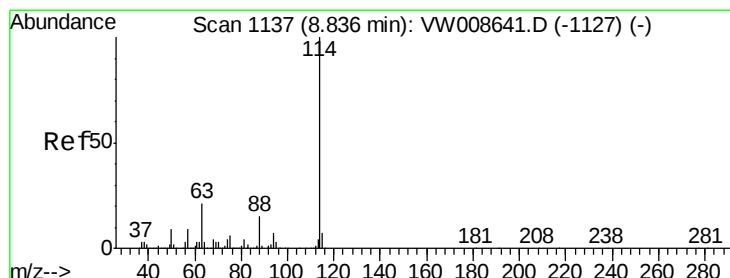
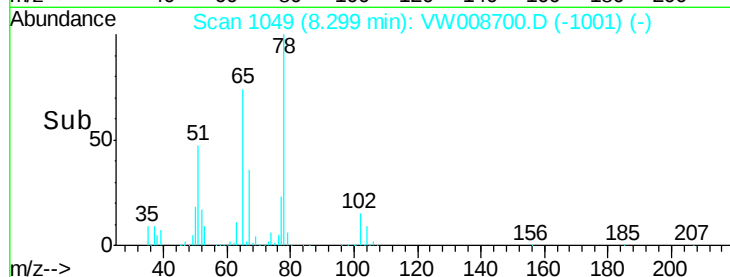
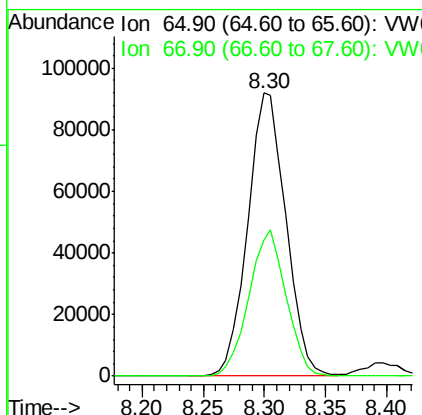
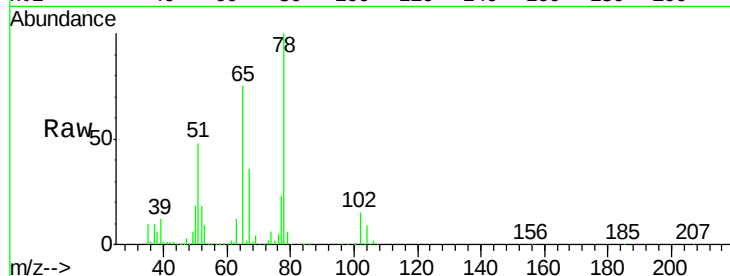
#33
 1,2-Dichloroethane-d4
 Concen: 59.709 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199979		
67	50.3	0.0	102.0	

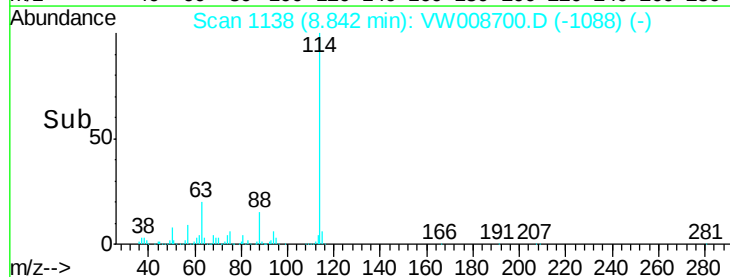
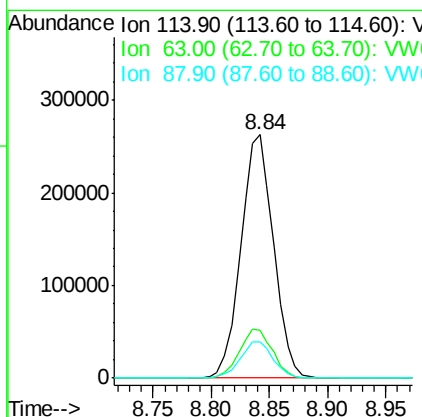
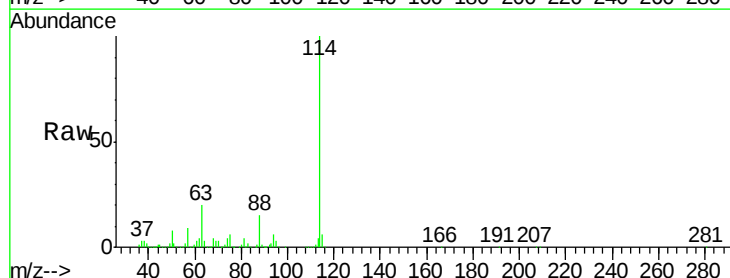
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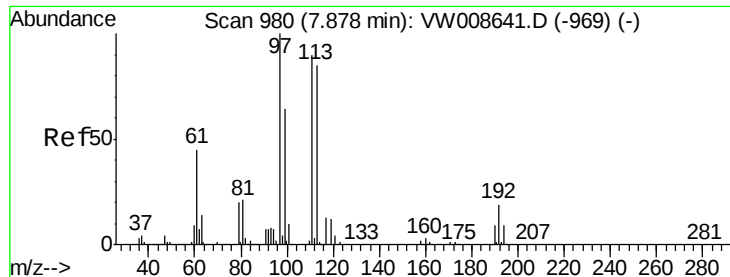
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 2/18/2019 2:34:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	512344		
63	19.5	0.0	41.2	
88	14.7	0.0	29.6	





#35

Dibromofluoromethane

Concen: 55.755 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

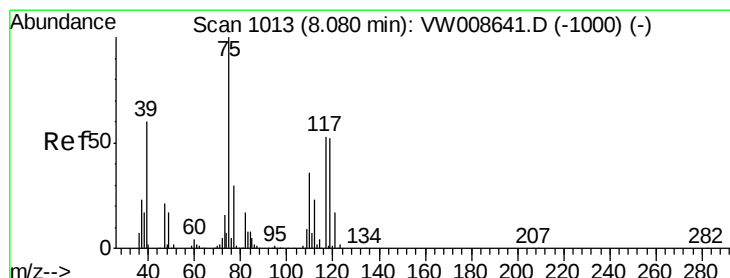
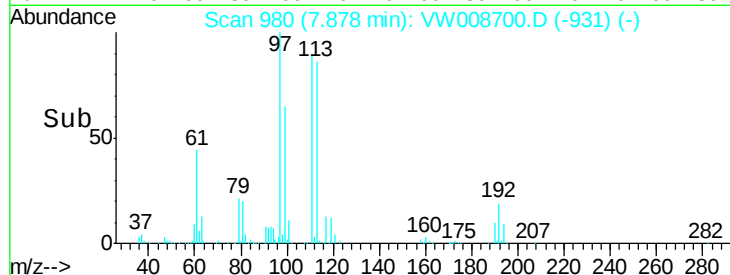
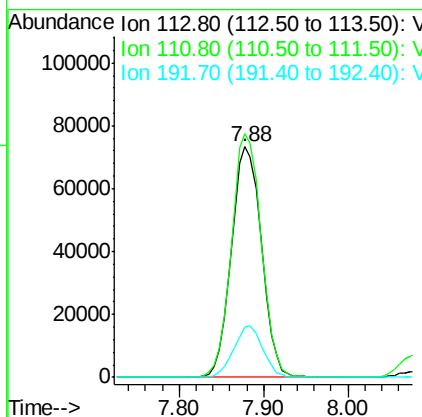
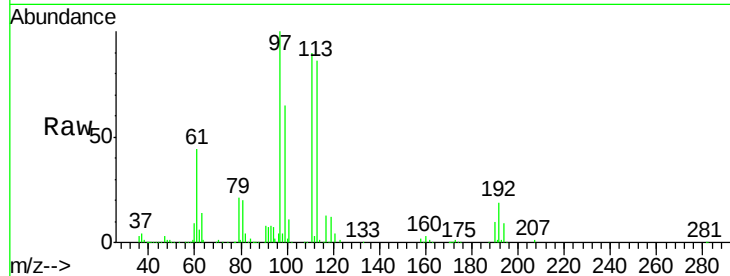
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	177376
Ion Ratio	Lower	Upper	
113	100		
111	104.3	84.0	126.0
192	21.5	17.4	26.2

Manual Integrations
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2/18/2019 2:34:41 PM



#36

1,1-Dichloropropene

Concen: 48.493 ug/l

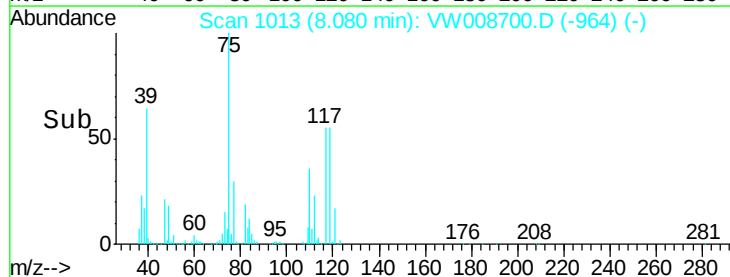
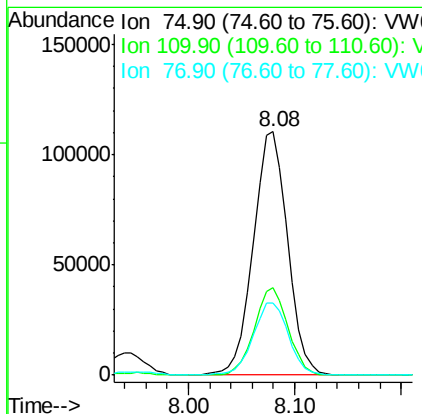
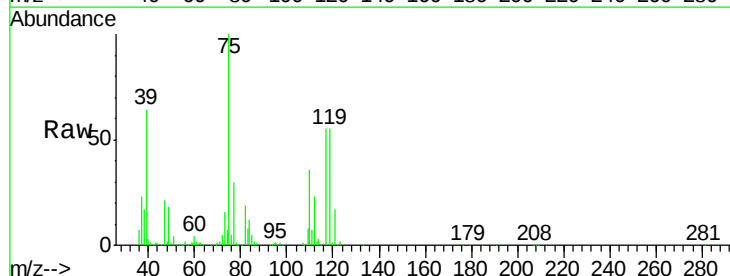
RT: 8.08 min Scan# 1013

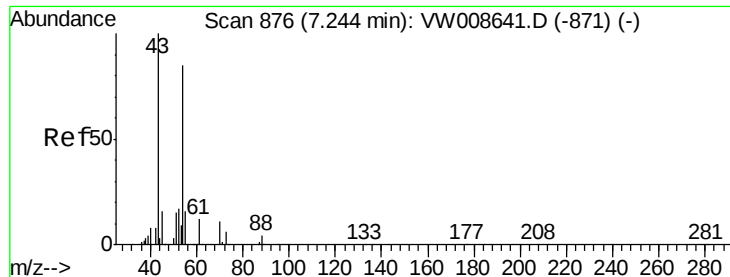
Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	75	Resp:	249611
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.8	53.3
77	30.8	24.7	37.1





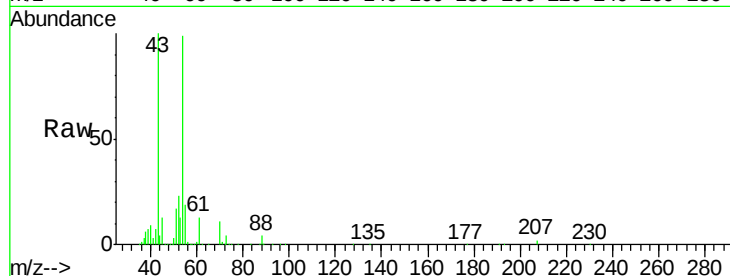
#37
Ethyl Acetate
Concen: 53.478 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.5	15.7
70	9.7	8.1	12.1

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2/18/2019 2:34:41 PM

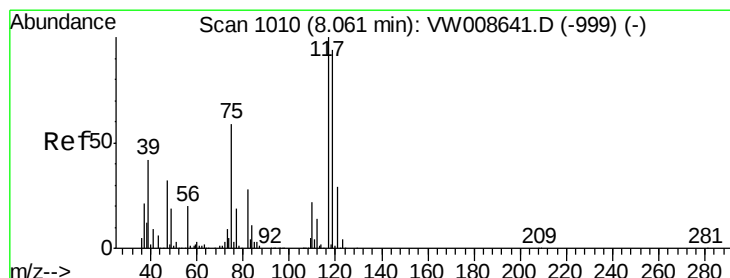
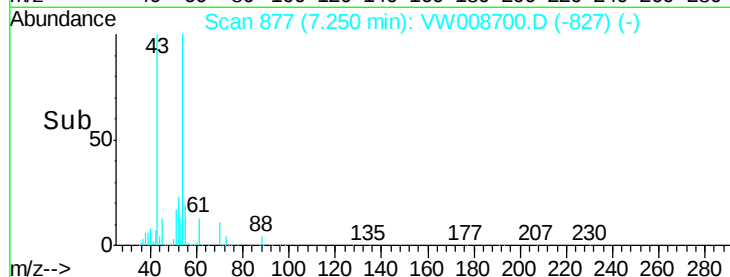
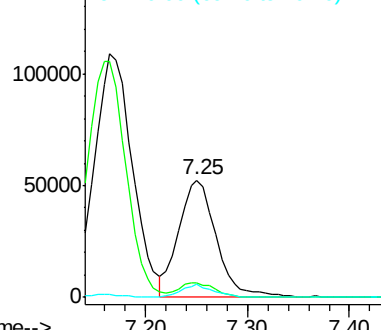


Abundance

Ion 43.00 (42.70 to 43.70): VW

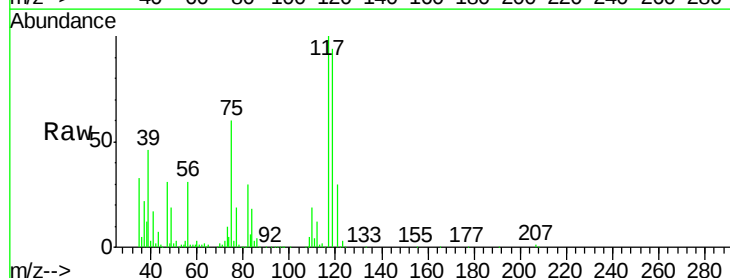
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38
Carbon Tetrachloride
Concen: 49.062 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.1	112.7
121	30.3	23.5	35.3

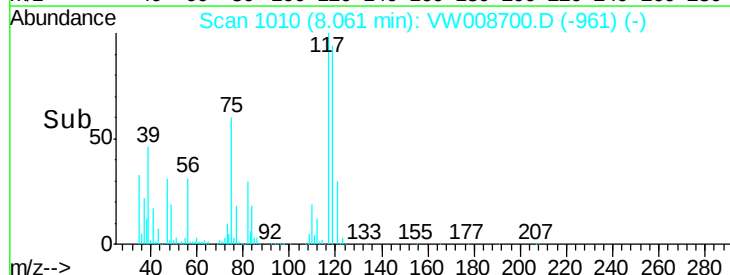
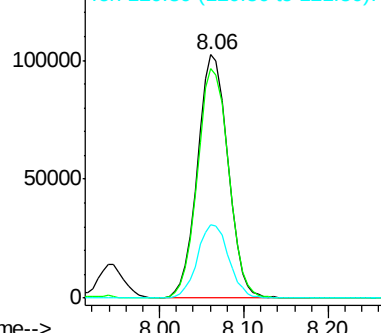


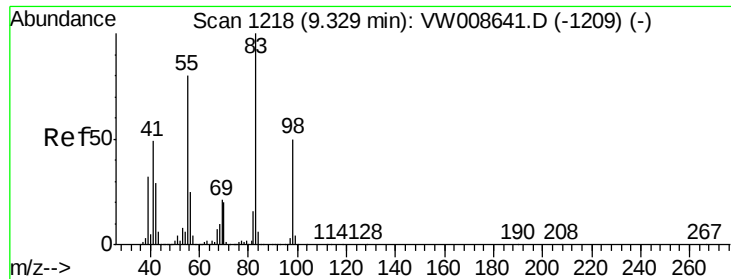
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





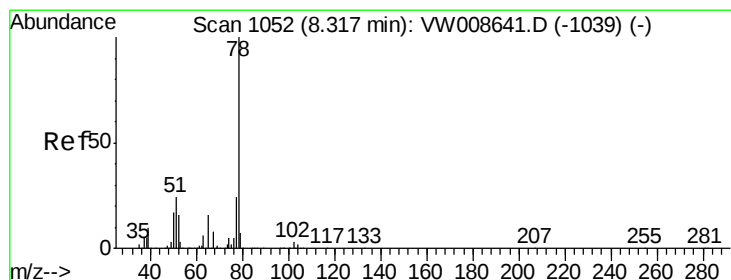
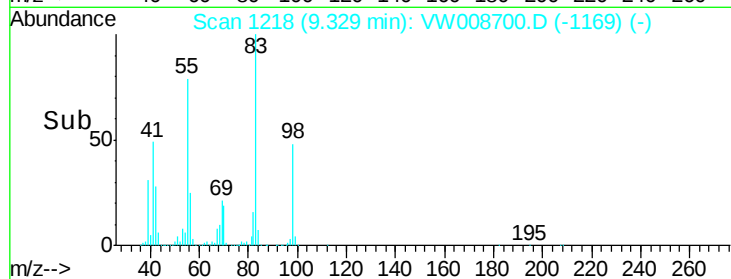
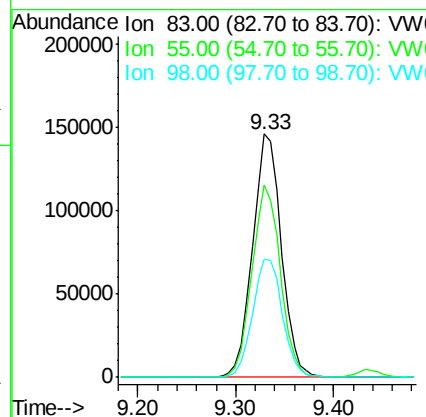
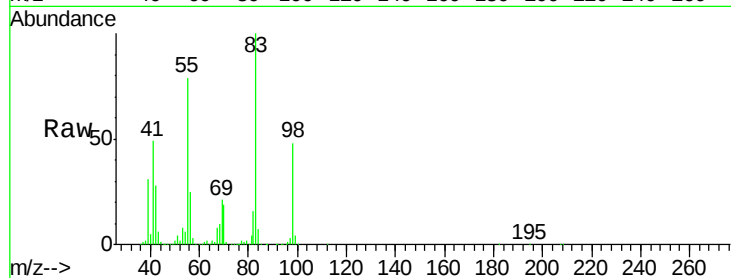
#39
Methvlcvclohexane
Concen: 45.775 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	298025		
55	78.7	63.9	95.9	
98	48.4	40.2	60.2	

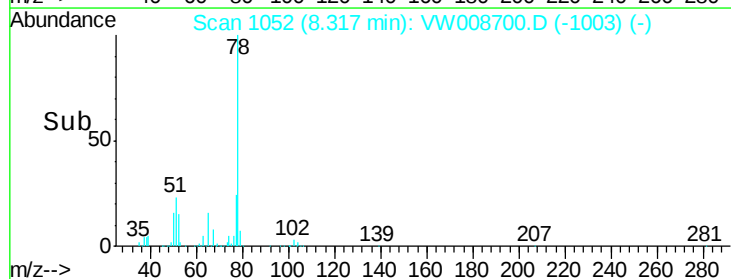
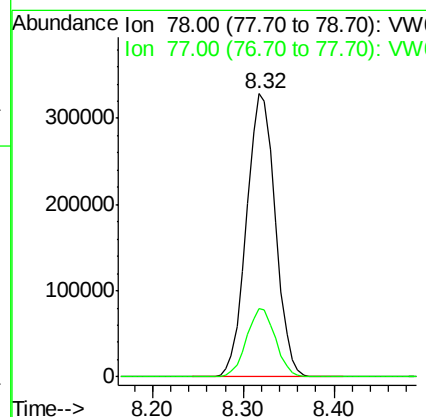
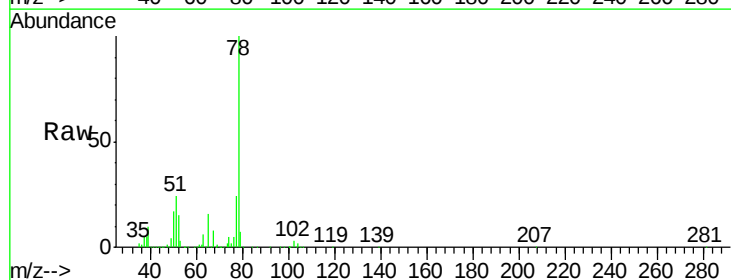
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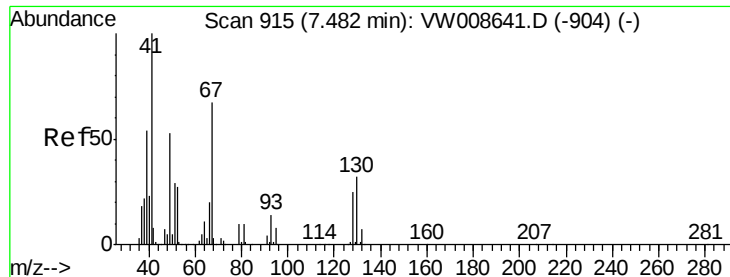
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#40
Benzene
Concen: 51.441 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	723157		
77	24.2	19.5	29.3	





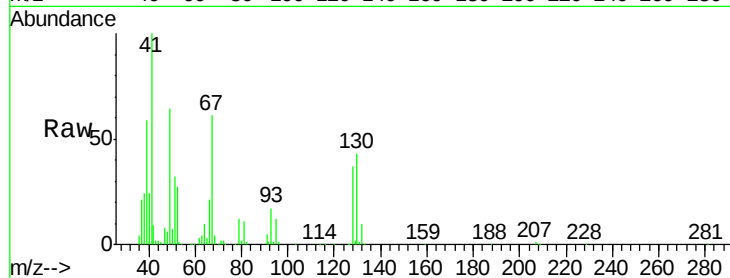
#41
Methacrylonitrile
Concen: 58.264 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

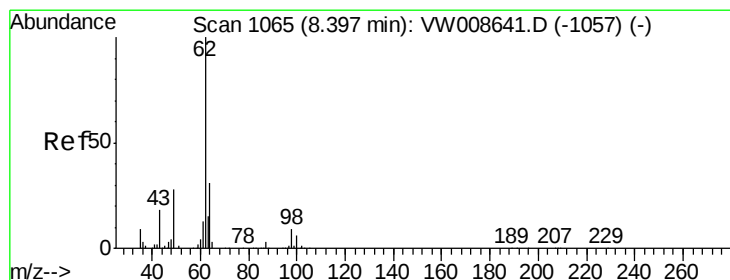
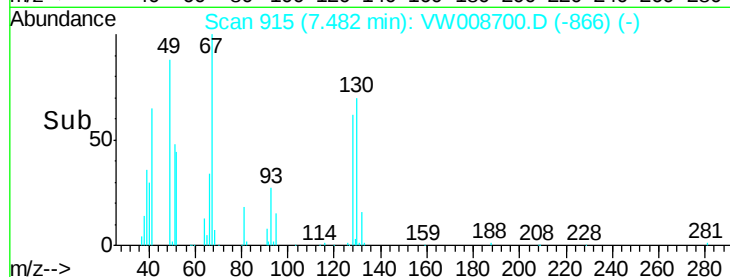
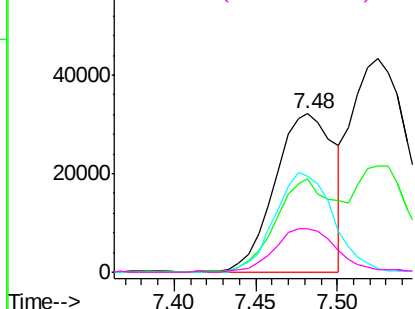
Tot Ion	Ratio	Lower	Upper
41	100		
39	62.0	39.7	59.5#
67	62.4	52.5	78.7
52	29.3	23.1	34.7

Manual Integrations
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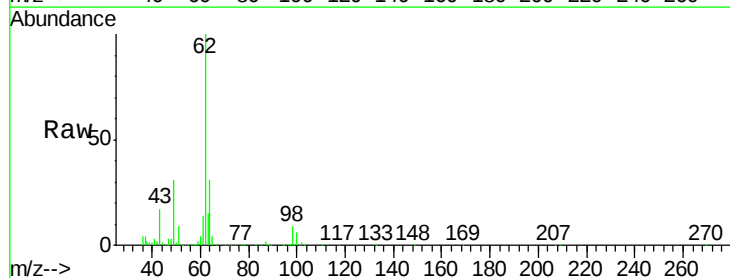


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

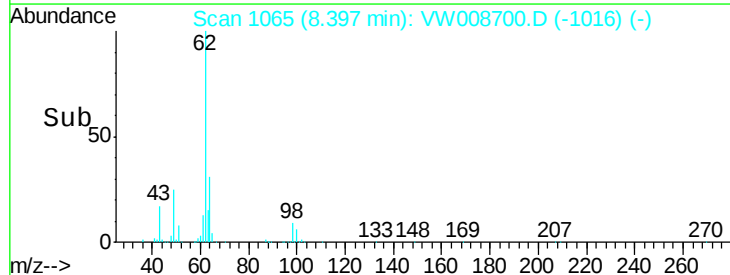
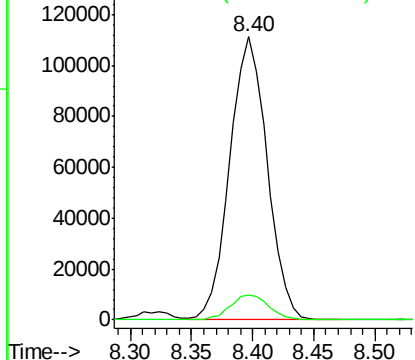


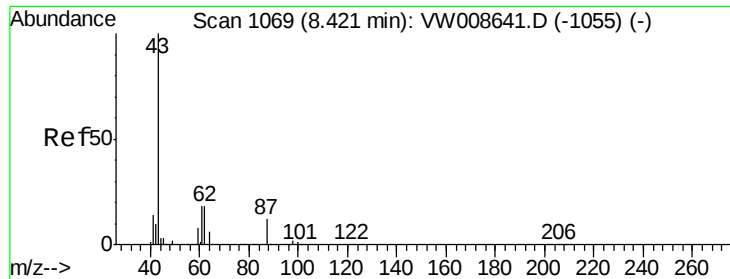
#42
1,2-Dichloroethane
Concen: 54.051 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.024 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

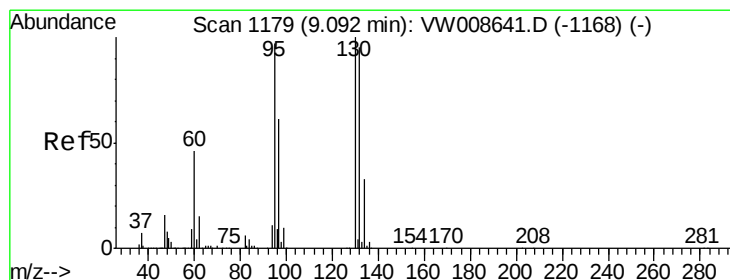
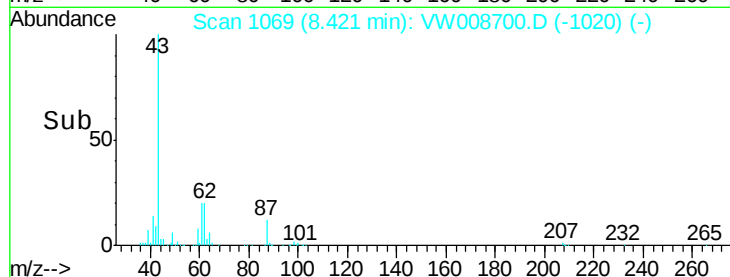
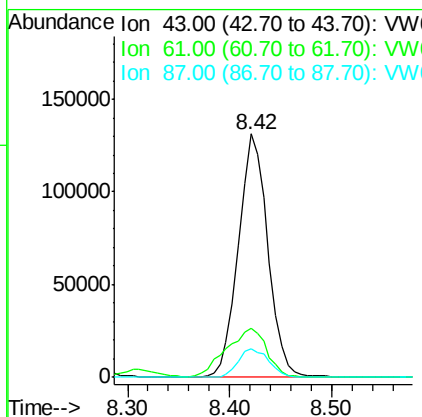
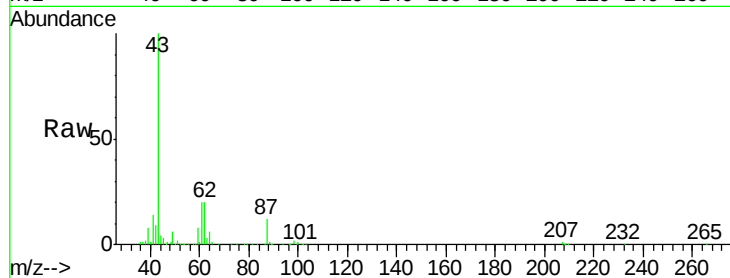
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	262531
Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.4	32.2
87	12.4	9.8	14.8

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#44

Trichloroethene

Concen: 50.445 ug/l

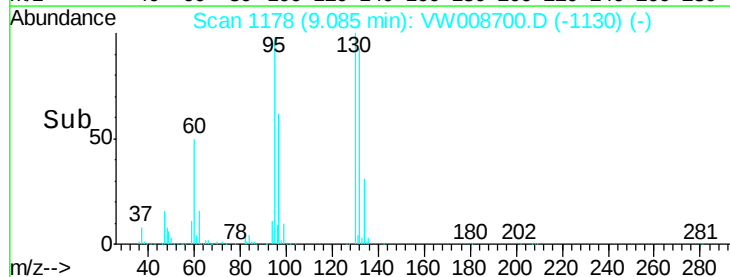
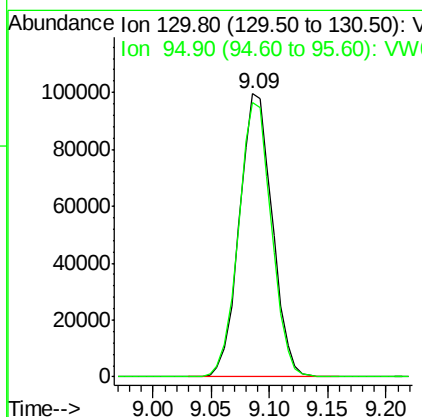
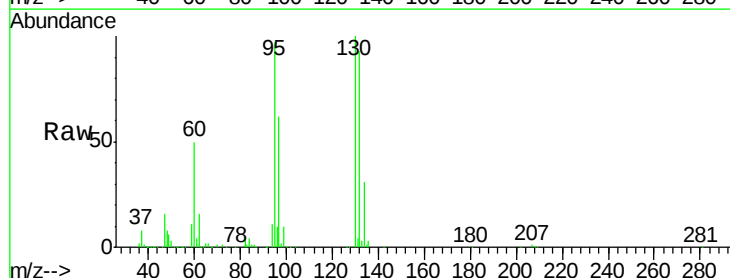
RT: 9.09 min Scan# 1178

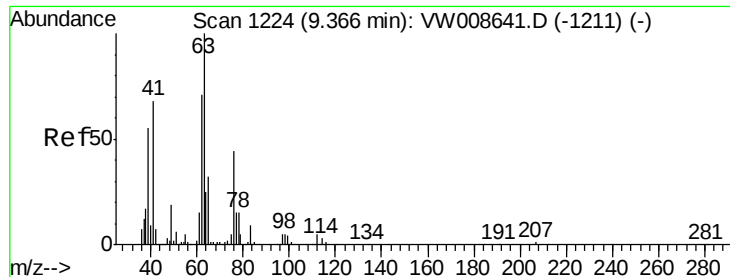
Delta R.T. -0.01 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	130	Resp:	196627
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	193.4





#45

1,2-Dichloropropane

Concen: 52.866 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 183927

Ion Ratio Lower Upper

63 100

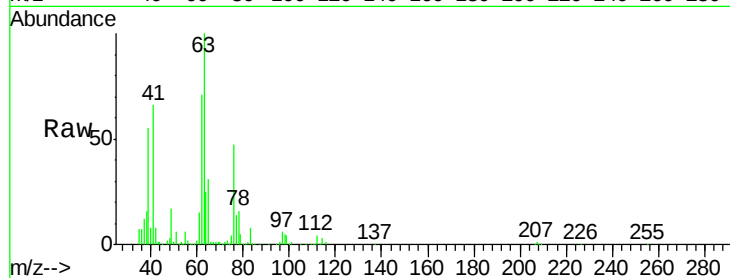
65 31.1 25.4 38.0

Manual Integrations

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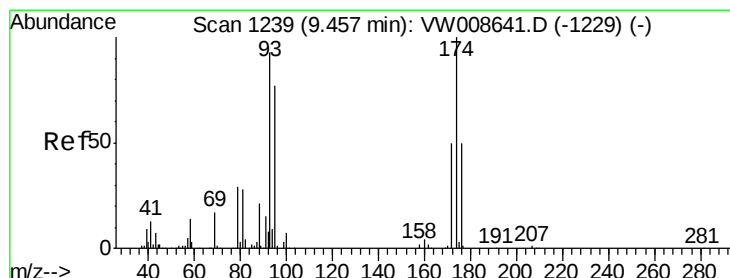
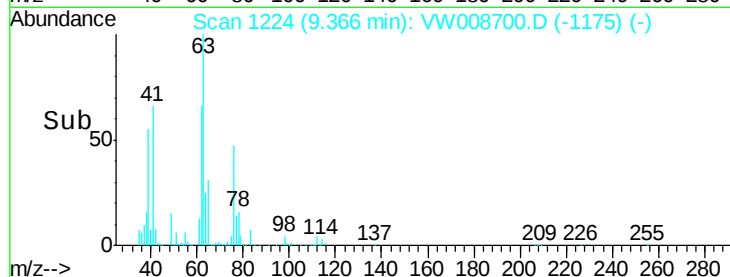
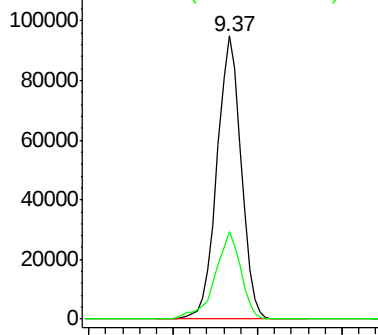
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 55.469 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

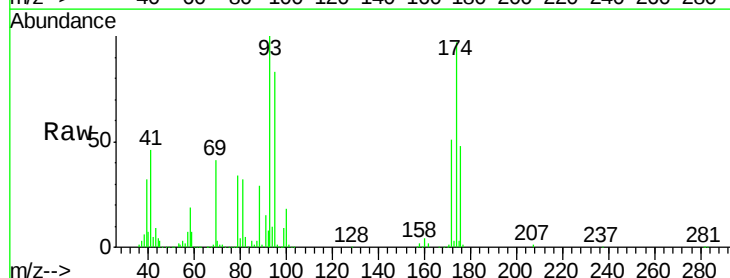
Tgt Ion: 93 Resp: 106307

Ion Ratio Lower Upper

93 100

95 79.0 65.8 98.8

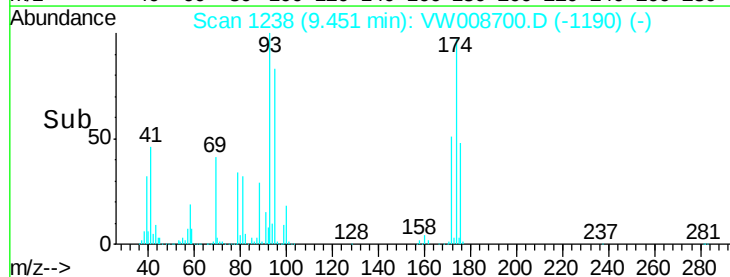
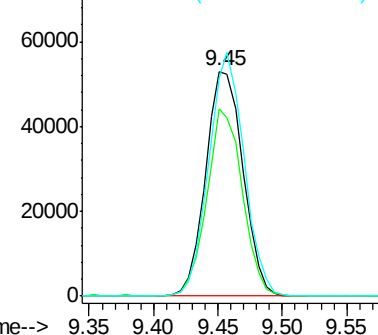
174 102.5 82.5 123.7

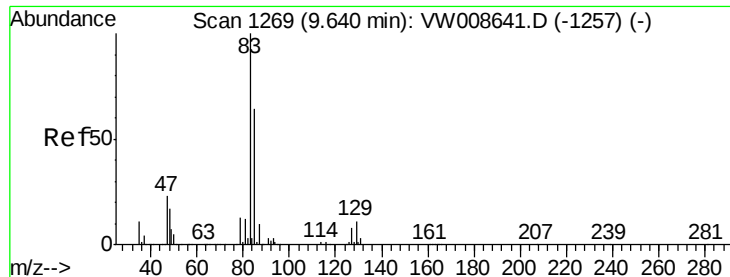


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





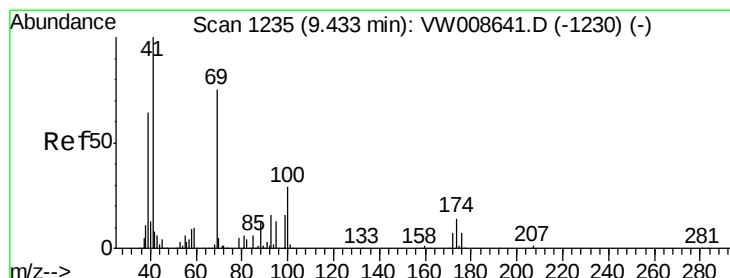
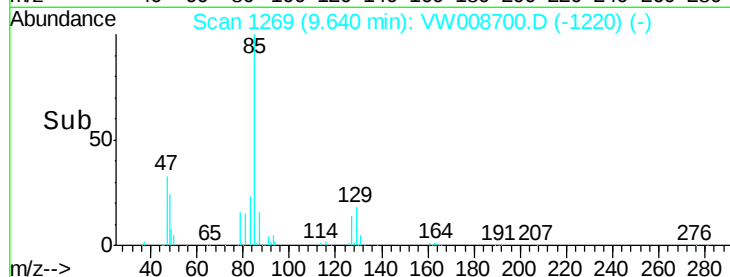
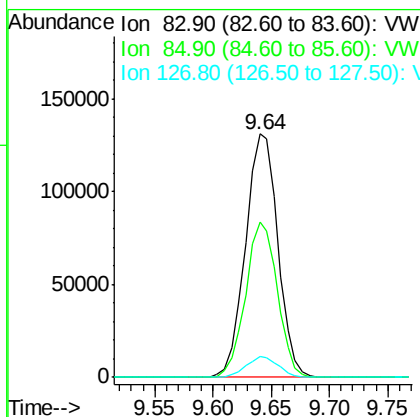
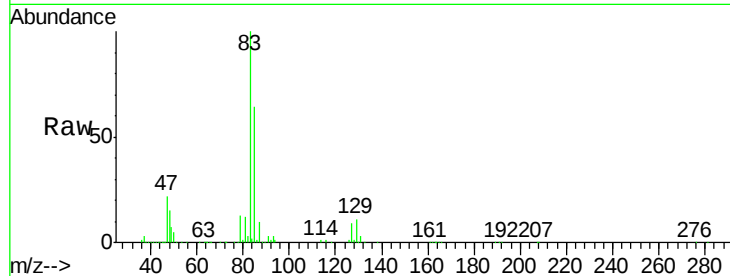
#47
Bromodichloromethane
Concen: 55.184 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	254173		
85	63.9		51.2	76.8
127	8.7		6.4	9.6

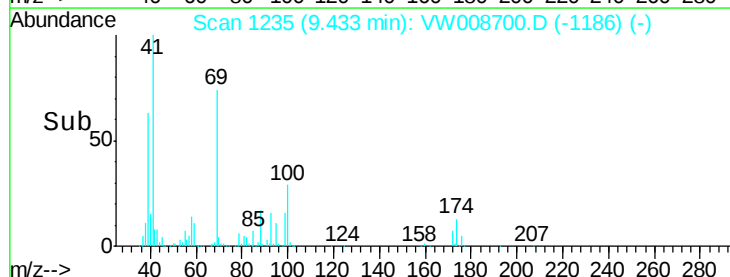
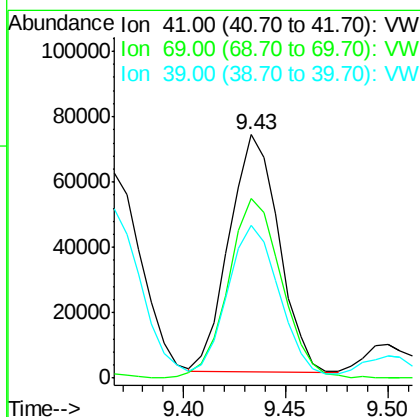
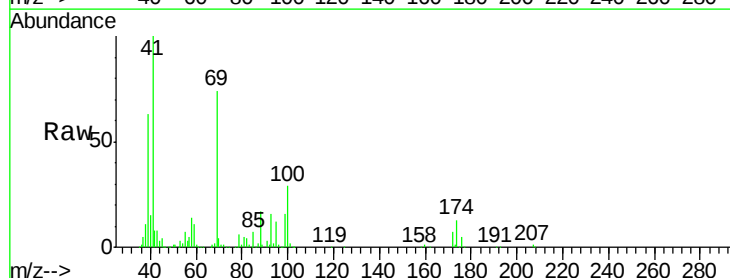
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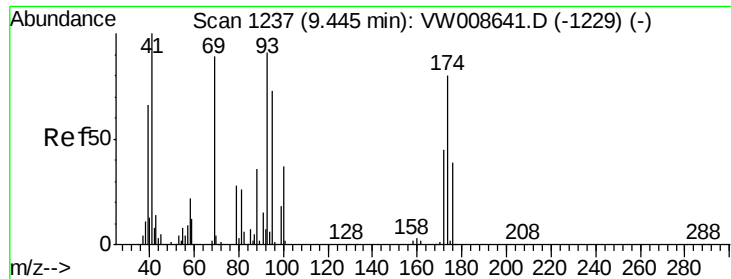
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#48
Methyl methacrylate
Concen: 53.514 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	122790		
69	80.5		64.1	96.1
39	67.5		52.3	78.5





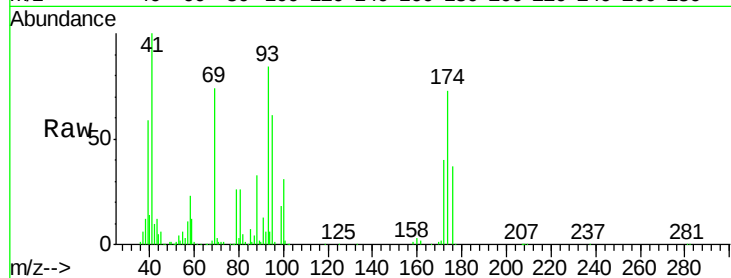
#49
1,4-Dioxane
Concen: 1163.896 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	31.0	46.6
58	73.1	57.0	85.6

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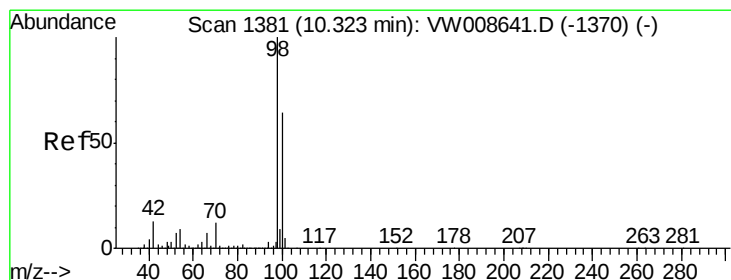
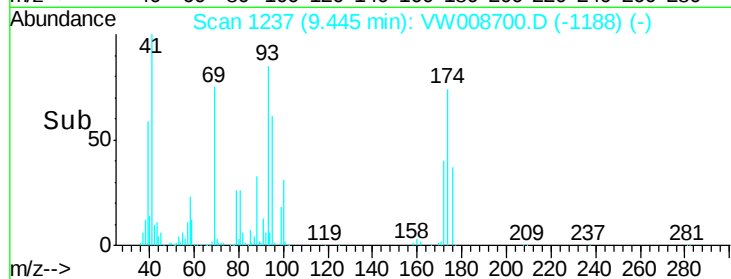
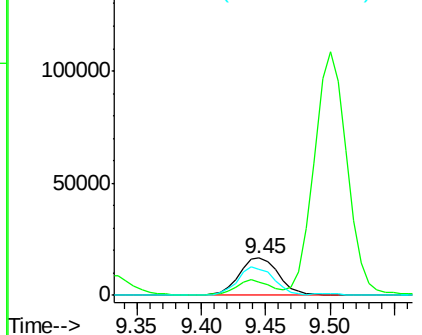


Abundance

Ion 88.00 (87.70 to 88.70): VW

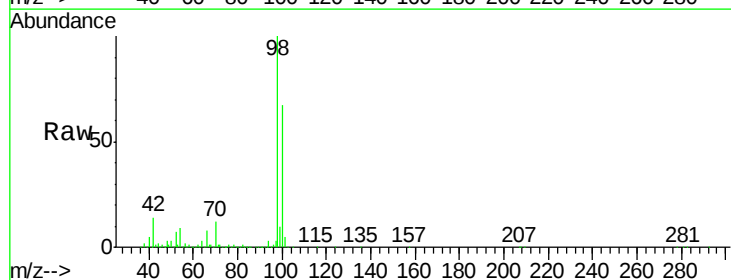
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 54.624 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

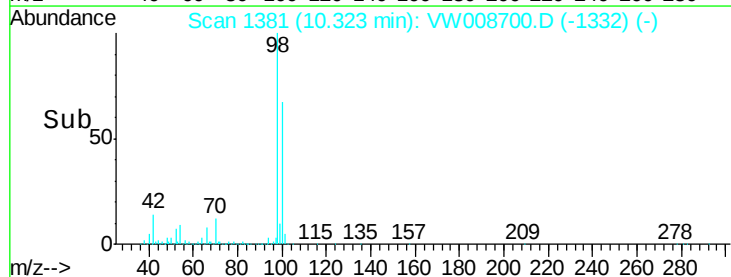
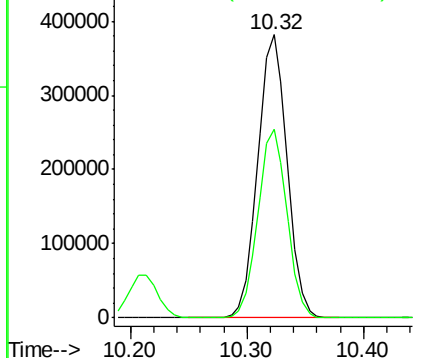
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.4

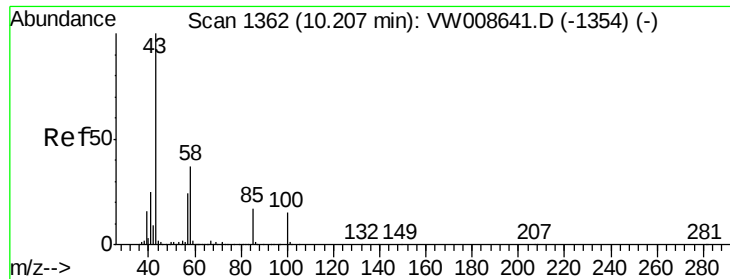


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 266.155 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 676930

Ion Ratio Lower Upper

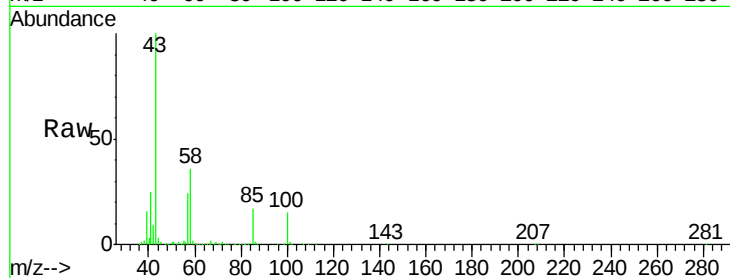
43 100

58 36.5 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400000

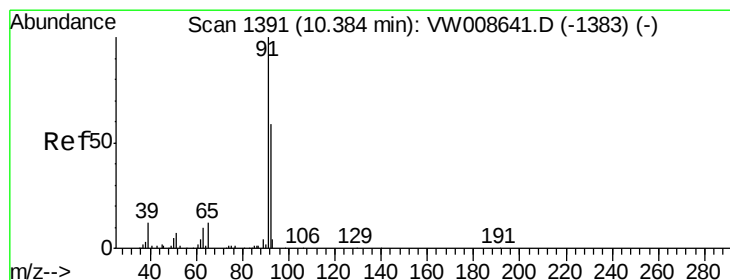
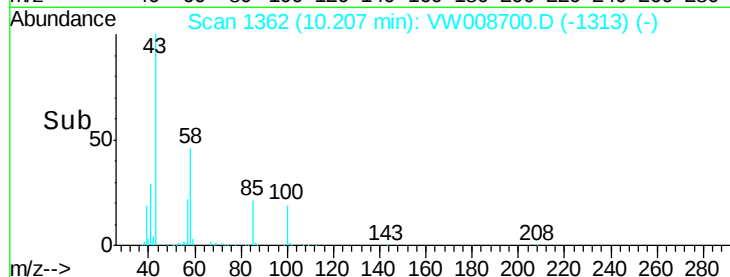
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.279 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008700.D

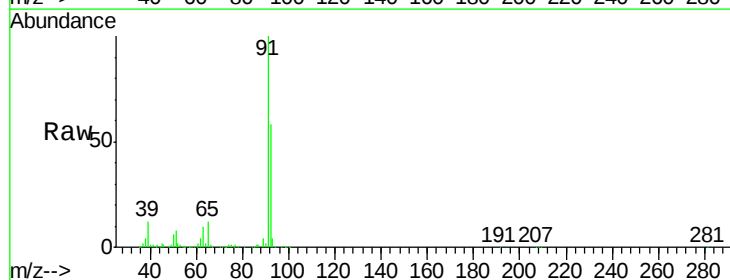
Acq: 15 Feb 2019 23:29

Tgt Ion: 92 Resp: 465062

Ion Ratio Lower Upper

92 100

91 171.2 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

500000

400000

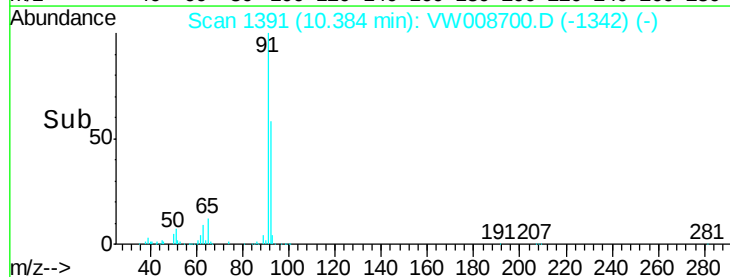
300000

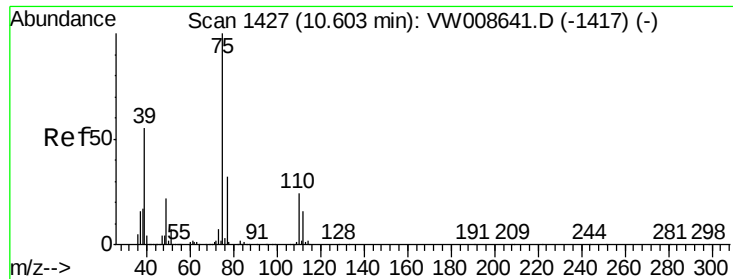
200000

100000

0

Time-->





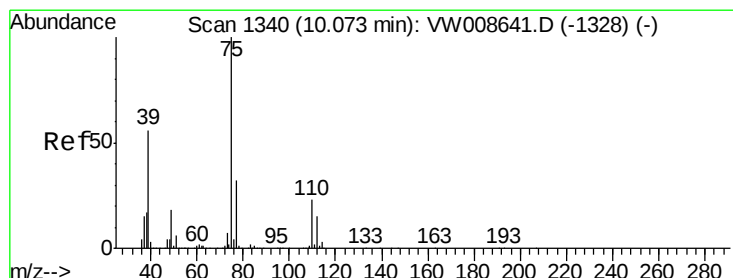
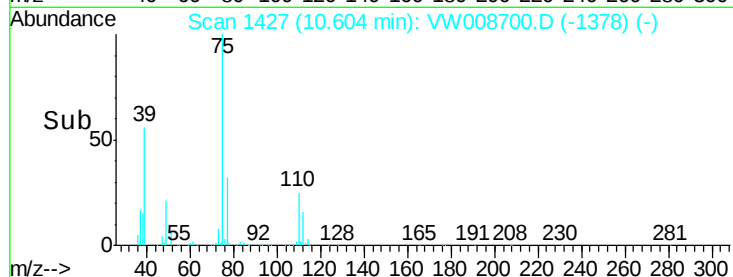
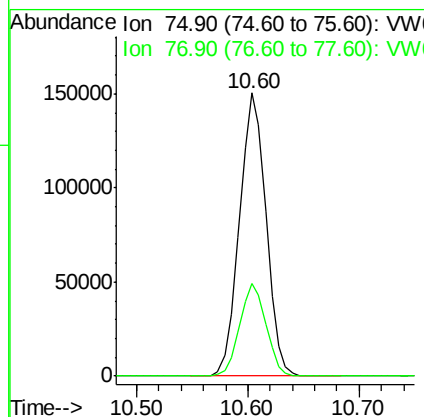
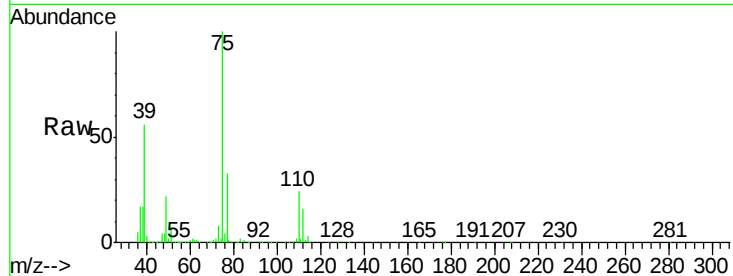
#53
t-1,3-Dichloropropene
Concen: 51.342 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.7	38.5

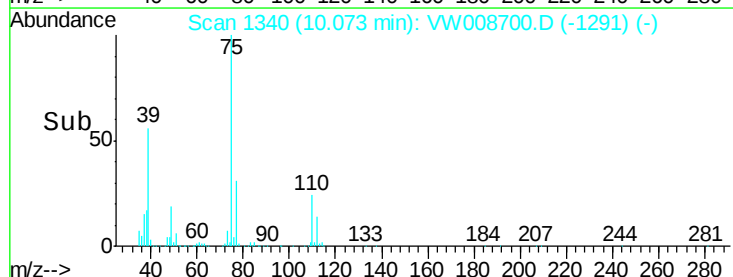
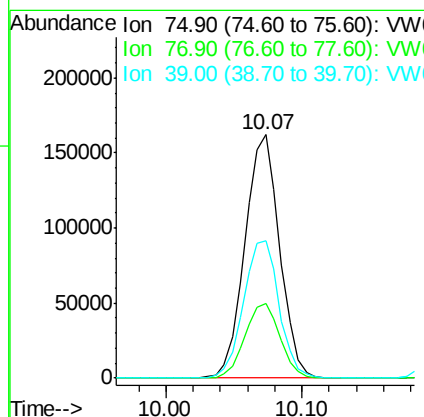
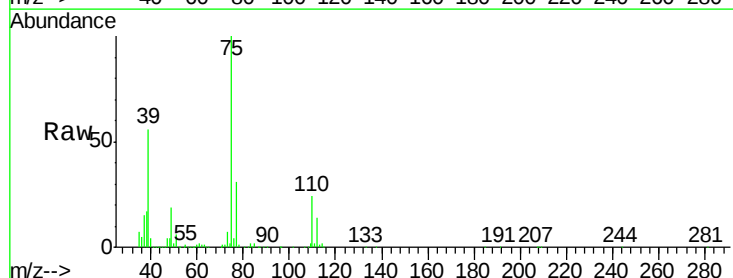
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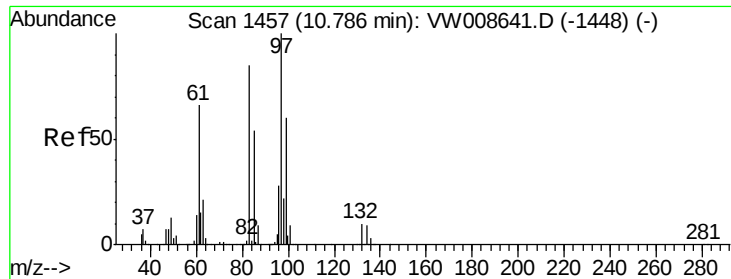
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#54
cis-1,3-Dichloropropene
Concen: 52.726 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	56.4	44.5	66.7





#55

1,1,2-Trichloroethane

Concen: 53.412 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

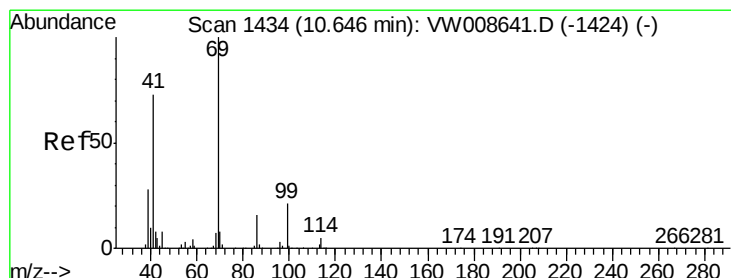
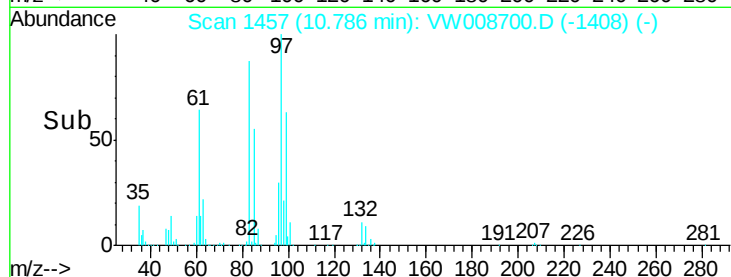
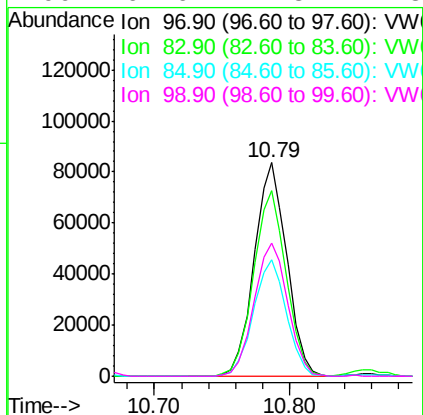
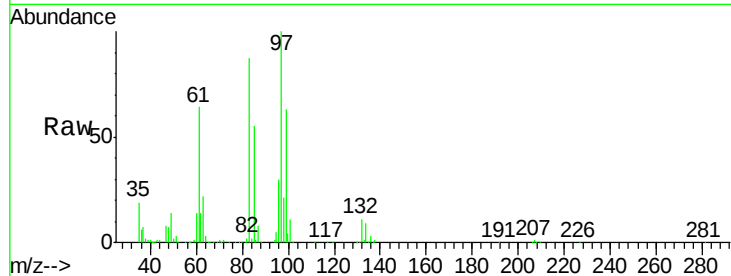
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	140458
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.4	102.6
85	54.8	43.1	64.7
99	62.6	47.8	71.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.273 ug/l

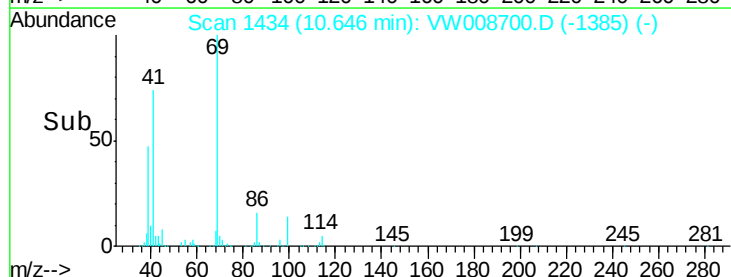
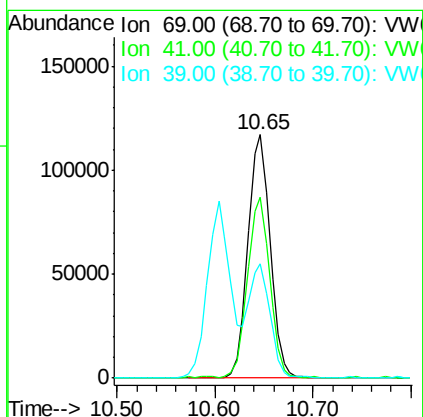
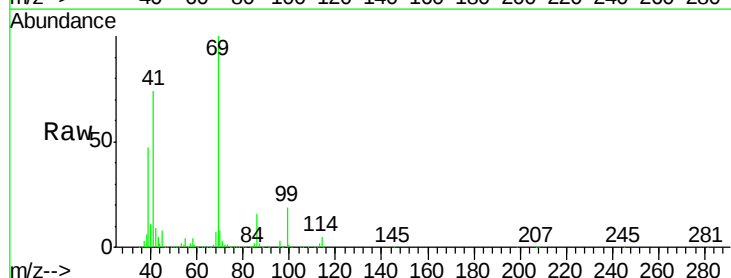
RT: 10.65 min Scan# 1434

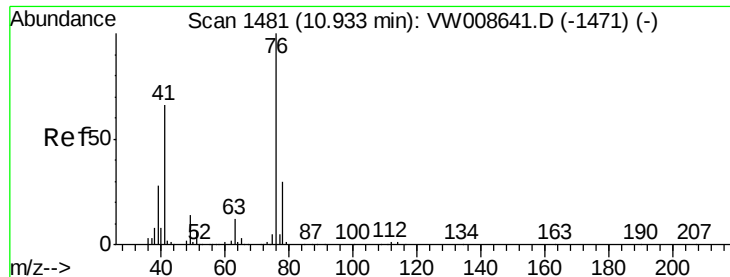
Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	69	Resp:	186021
Ion	Ratio	Lower	Upper
69	100		
41	73.5	59.0	88.4
39	43.6	34.4	51.6





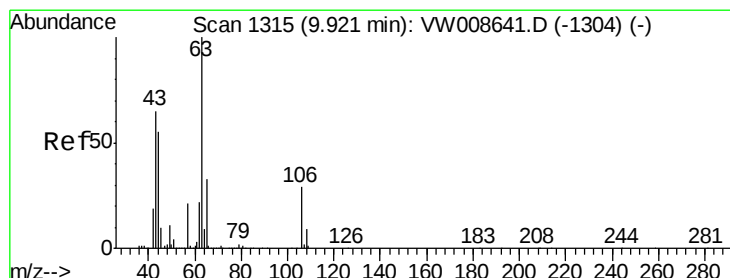
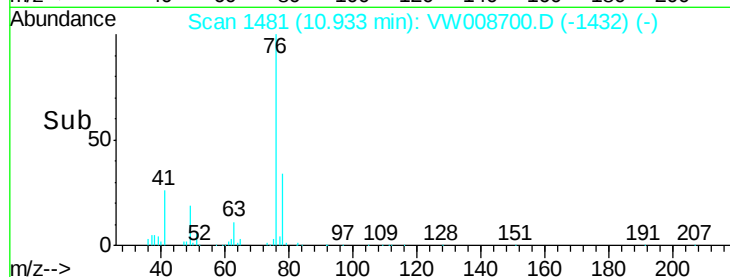
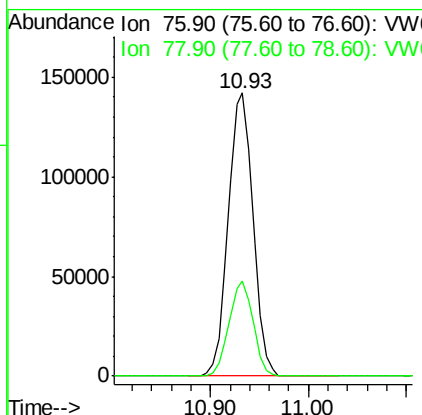
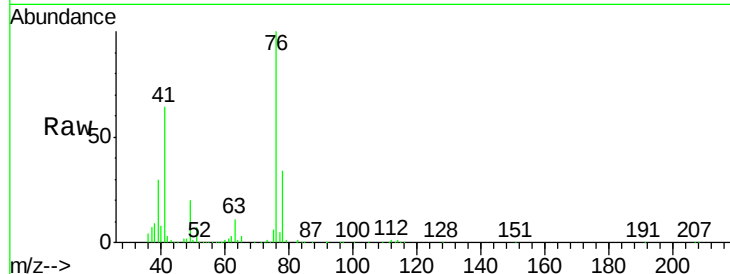
#57
 1,3-Dichloropropane
 Concen: 53.538 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 249796
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0

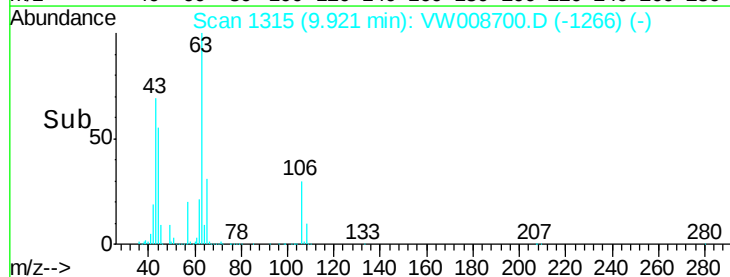
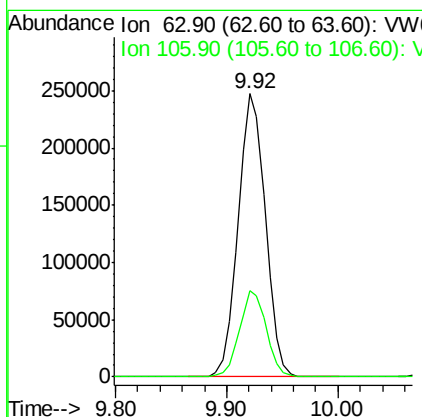
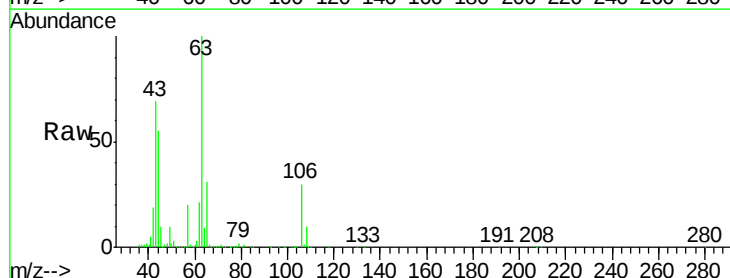
Manual Integrations
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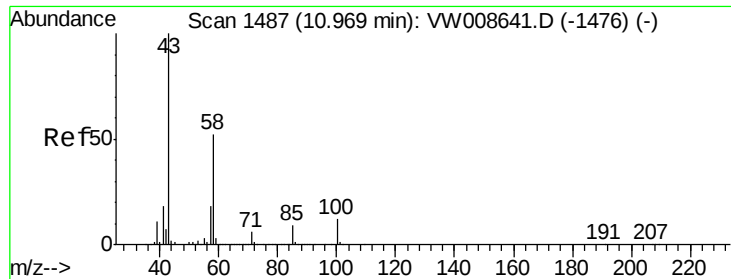
MMDadoda
 2/18/2019 2:34:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.347 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion: 63 Resp: 419349
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.2





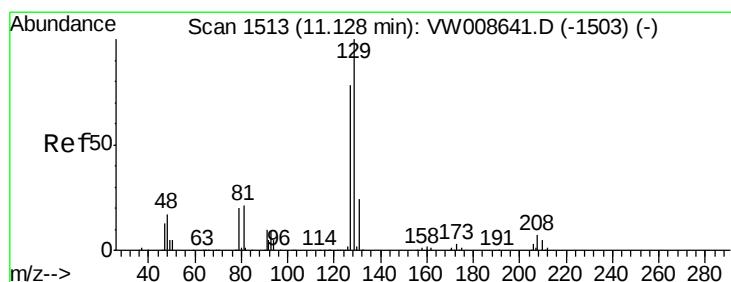
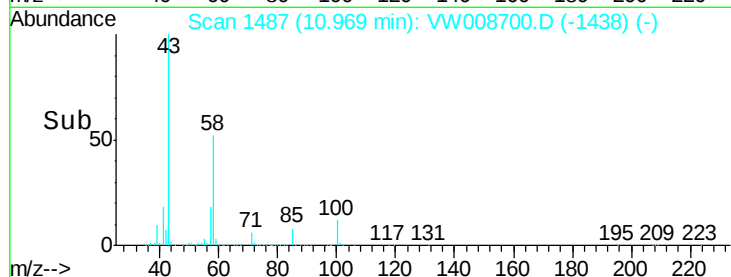
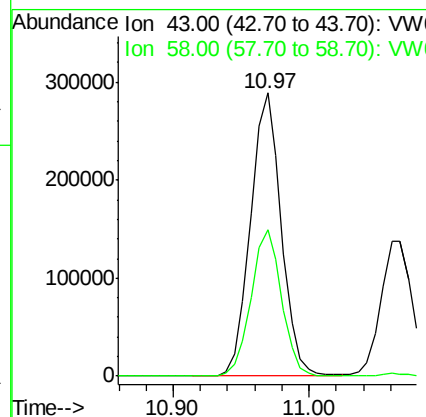
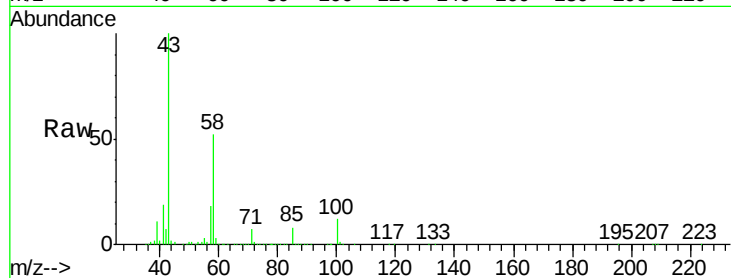
#59
2-Hexanone
Concen: 256.265 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 457871
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.6

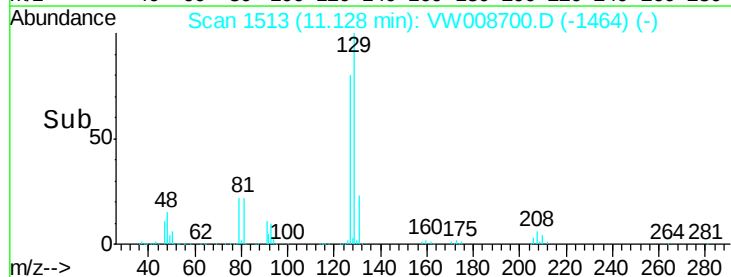
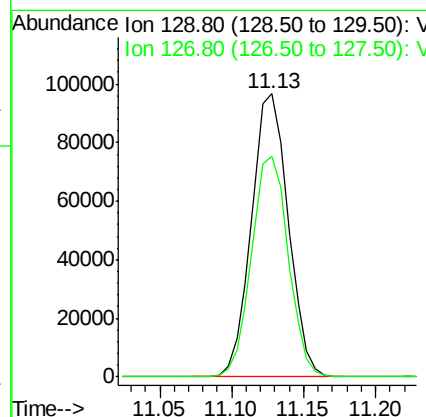
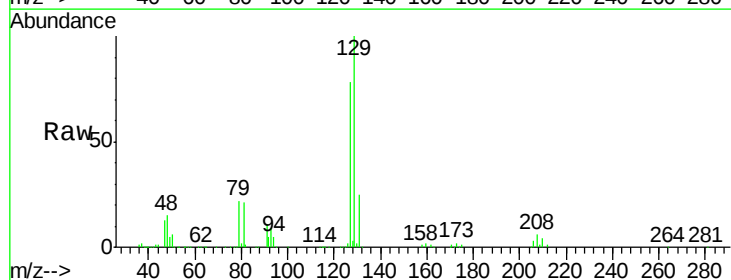
Manual Integrations
APPROVED

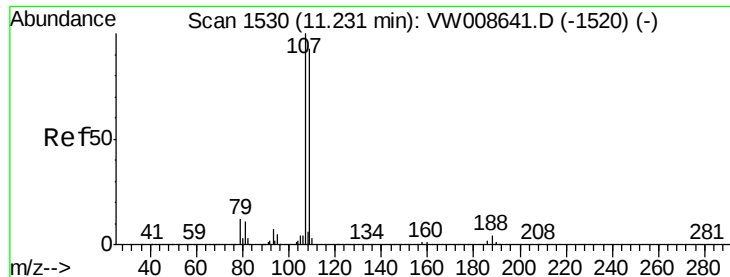
MMDadoda
2/18/2019 2:34:41 PM



#60
Dibromochloromethane
Concen: 54.184 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion: 129 Resp: 170487
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3





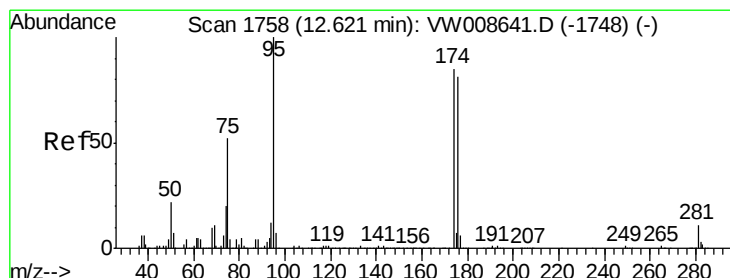
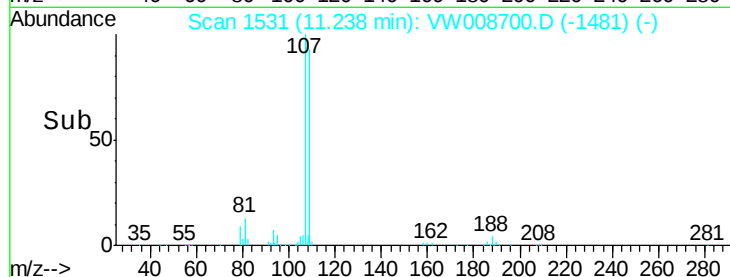
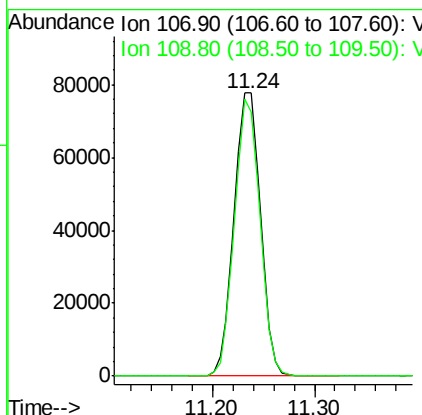
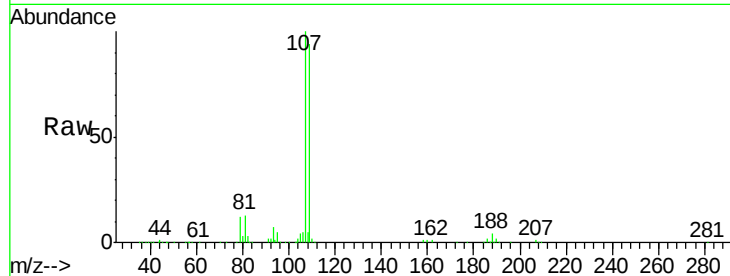
#61
 1,2-Dibromoethane
 Concen: 53.968 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.8	112.2

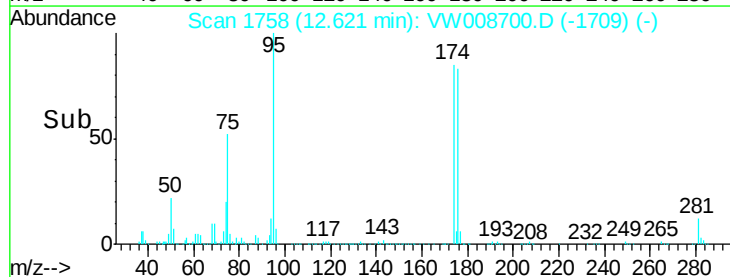
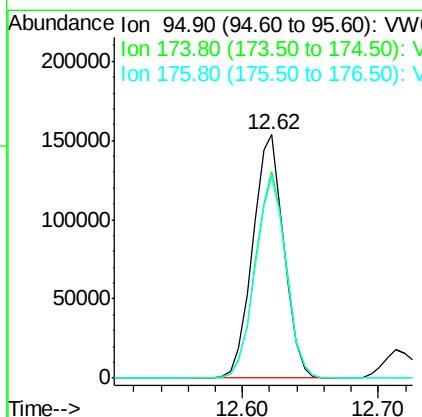
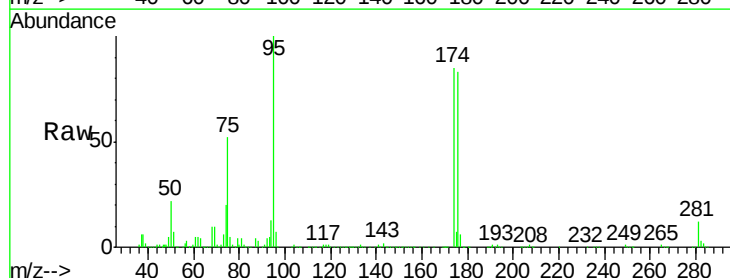
Manual Integrations
 APPROVED

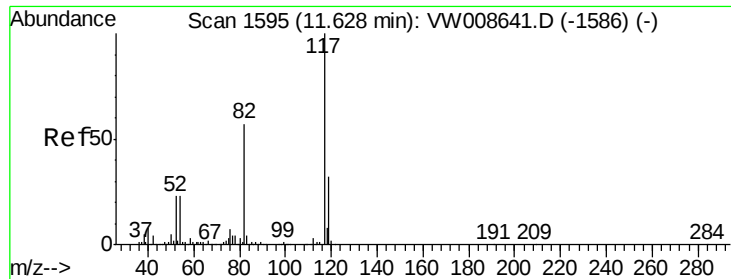
MMDadoda
 2/18/2019 2:34:41 PM



#62
 4-Bromofluorobenzene
 Concen: 53.265 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	163.2
176	81.9	0.0	158.0





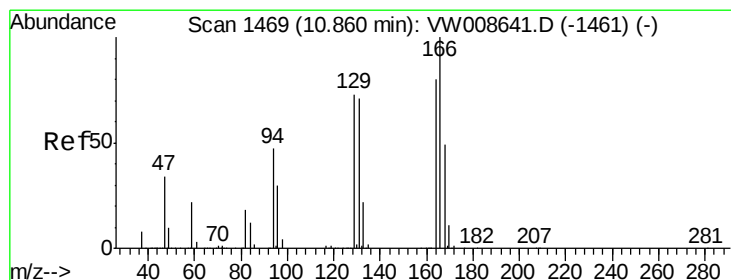
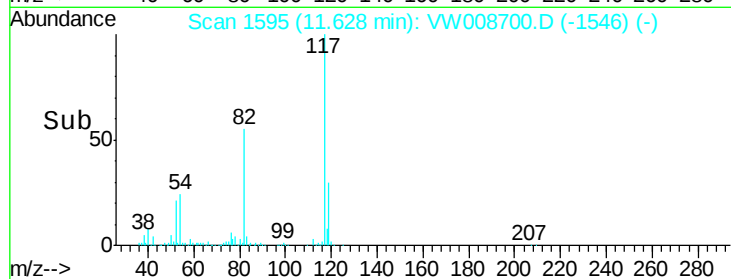
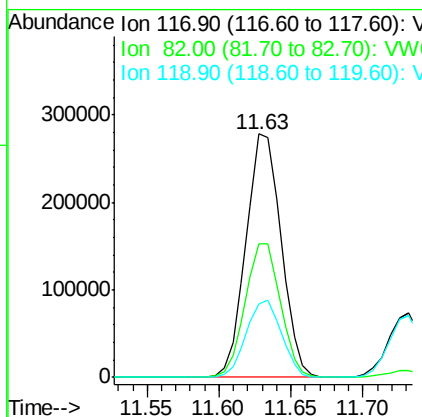
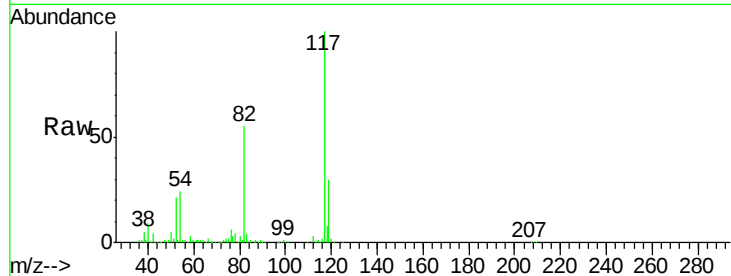
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	470976		
82	54.9		45.6	68.4
119	30.4		25.7	38.5

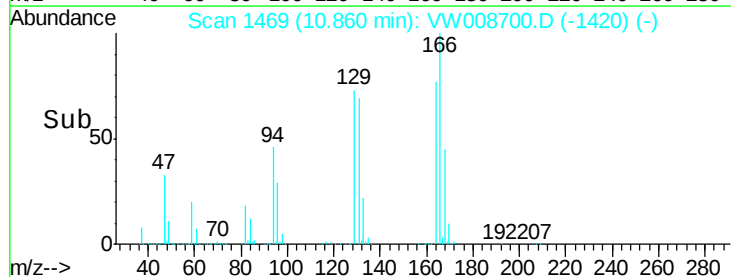
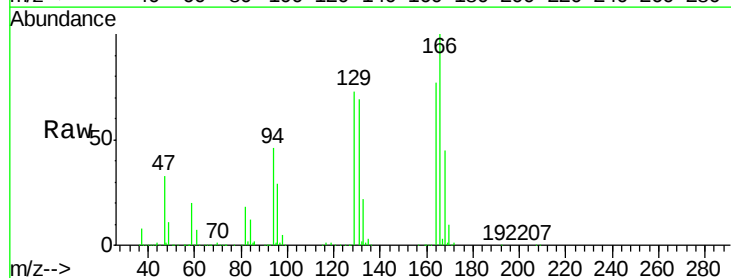
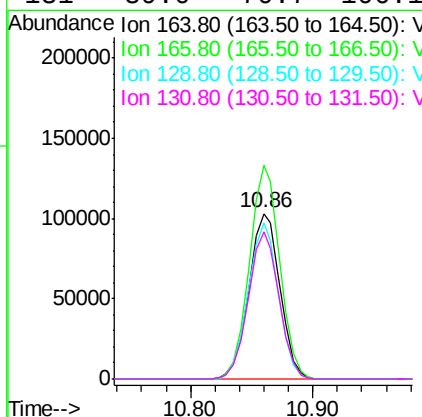
Manual Integrations
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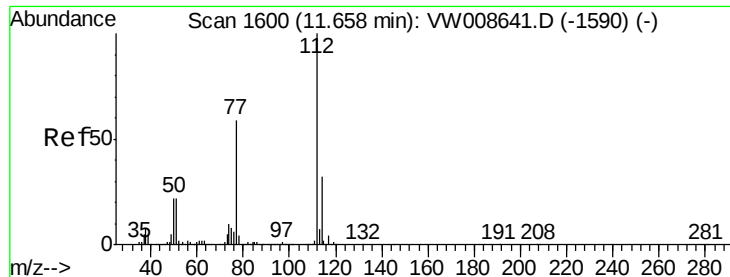
MMDadoda
2/18/2019 2:34:41 PM



#64
Tetrachloroethene
Concen: 52.057 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	182322		
166	129.2		100.2	150.2
129	94.7		73.6	110.4
131	89.0		70.7	106.1





#65

Chlorobenzene

Concen: 50.997 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 517681

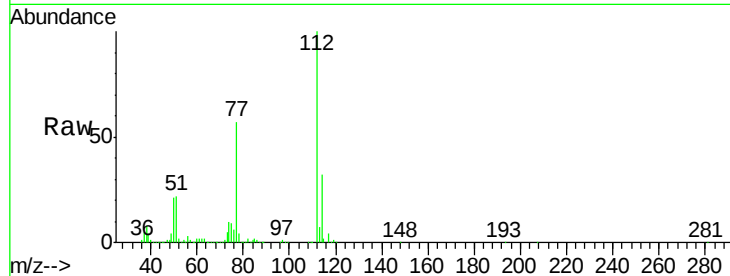
Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5

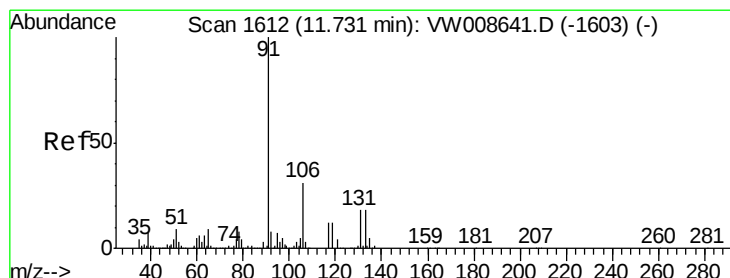
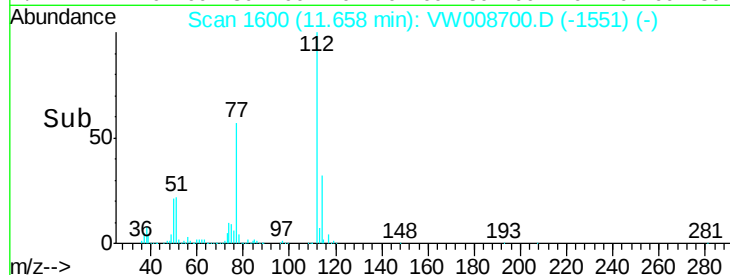
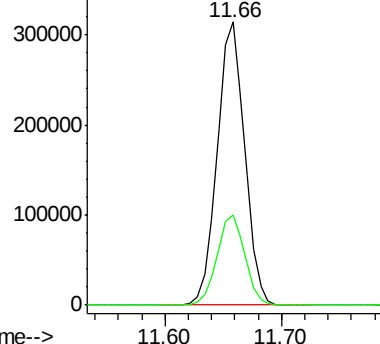
Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.666 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

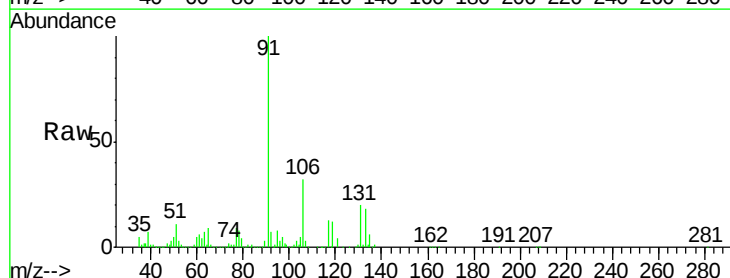
Tgt Ion:131 Resp: 189392

Ion Ratio Lower Upper

131 100

133 92.0 47.8 143.4

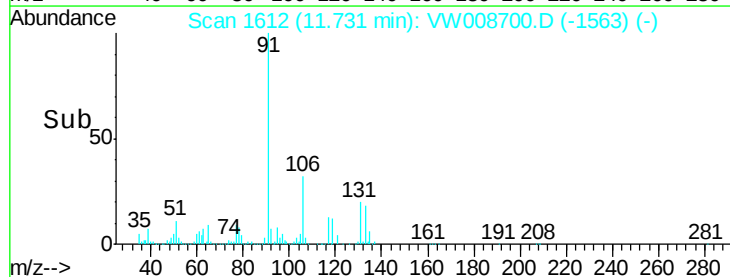
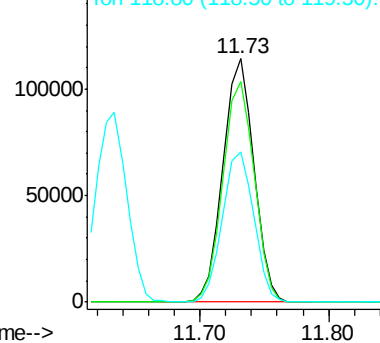
119 62.8 31.6 94.8

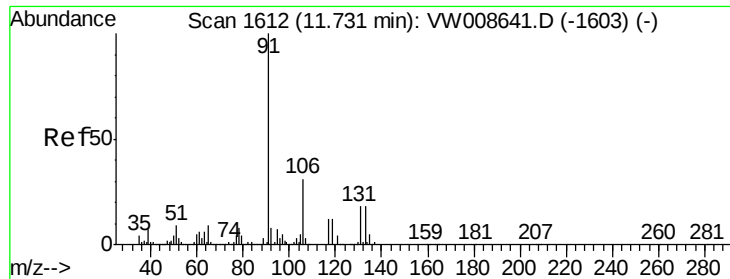


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





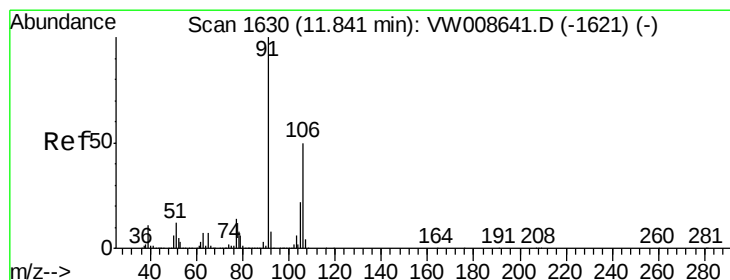
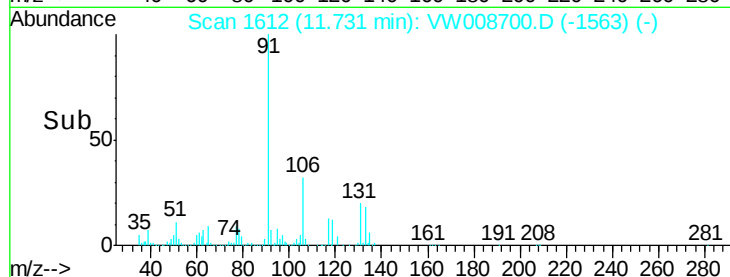
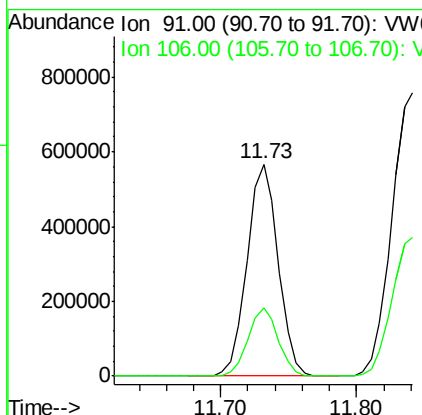
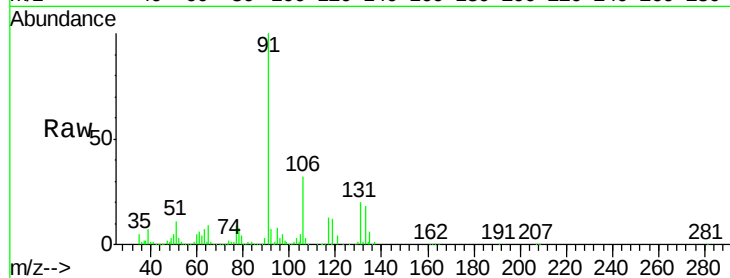
#67
Ethyl Benzene
Concen: 50.016 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 904421
Ion Ratio Lower Upper
91 100
106 32.0 24.5 36.7

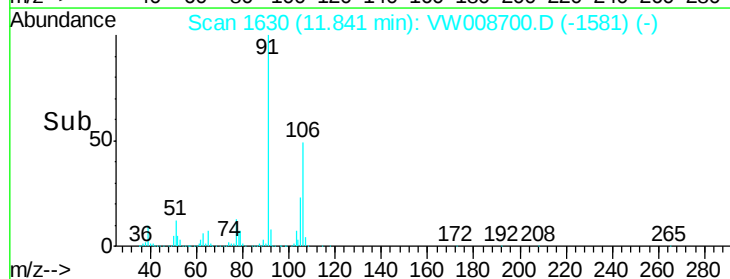
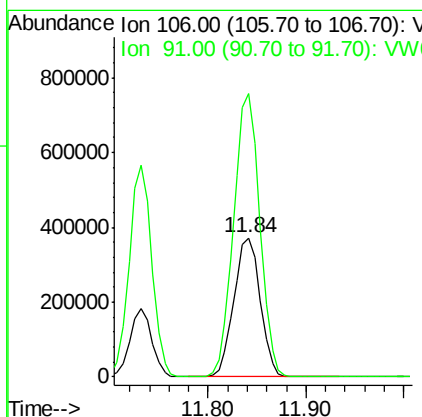
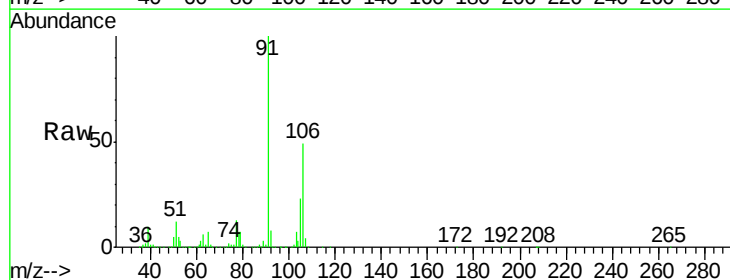
Manual Integrations
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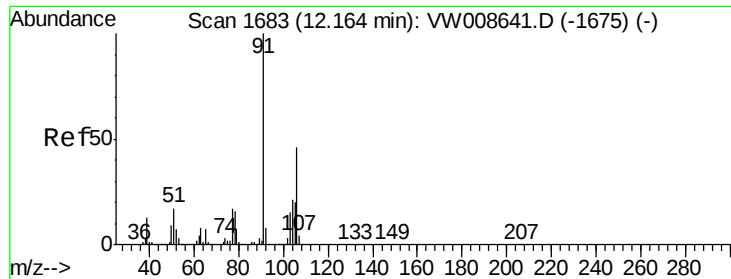
MMDadoda
2/18/2019 2:34:41 PM



#68
m/p-Xylenes
Concen: 99.241 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion: 106 Resp: 698232
Ion Ratio Lower Upper
106 100
91 201.2 161.0 241.4





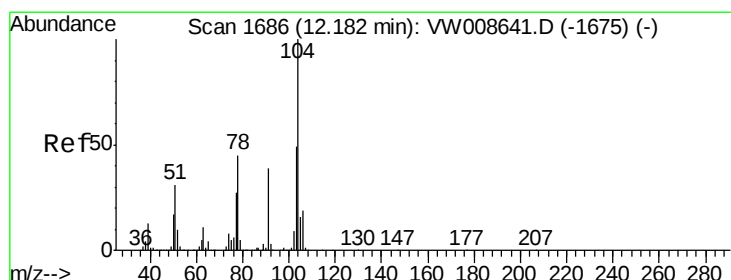
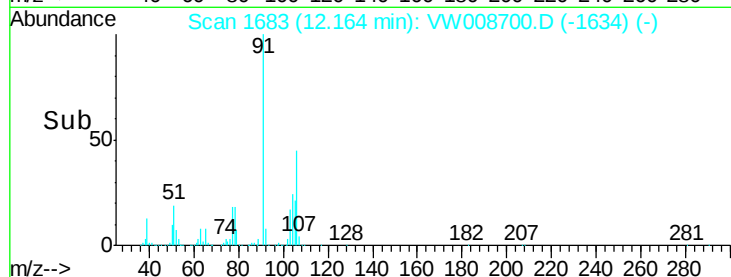
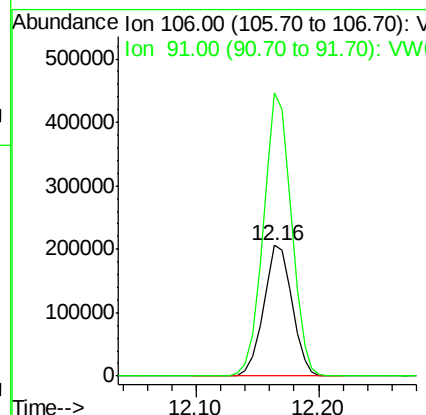
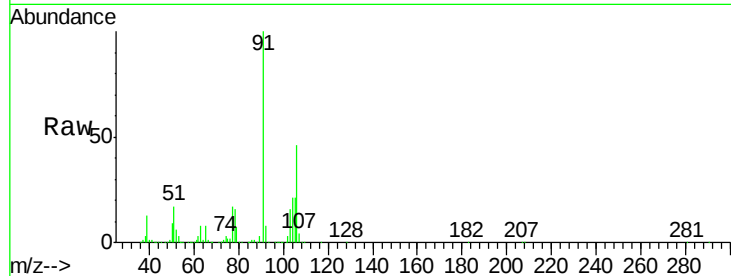
#69
o-Xylene
Concen: 50.298 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.0	106.7	320.1

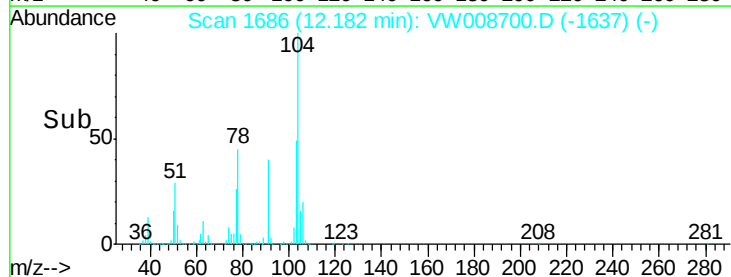
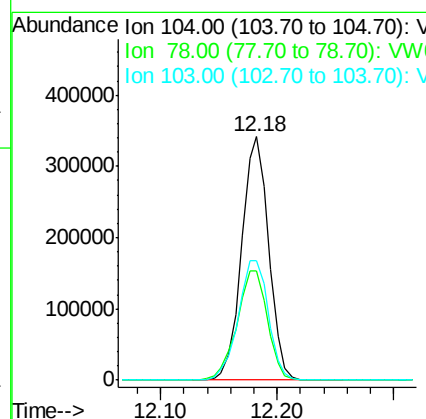
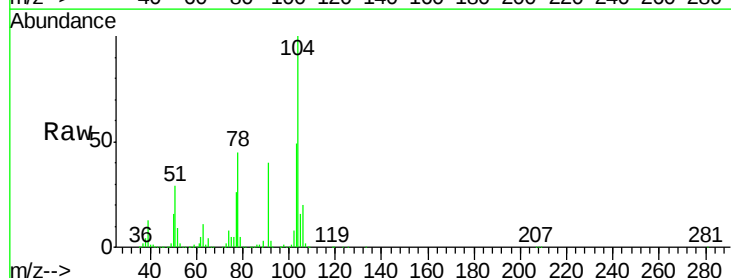
Manual Integrations
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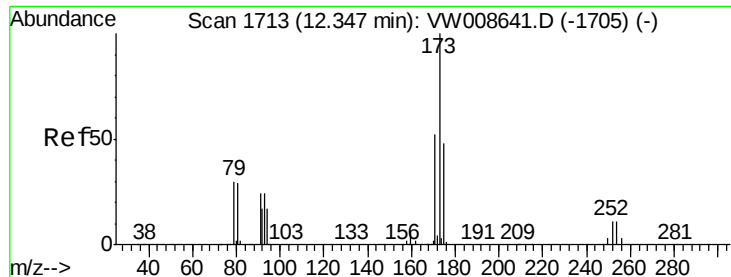
MMDadoda
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#70
Styrene
Concen: 50.851 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.5	62.3
103	55.1	43.5	65.3





#71

Bromoform

Concen: 52.315 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

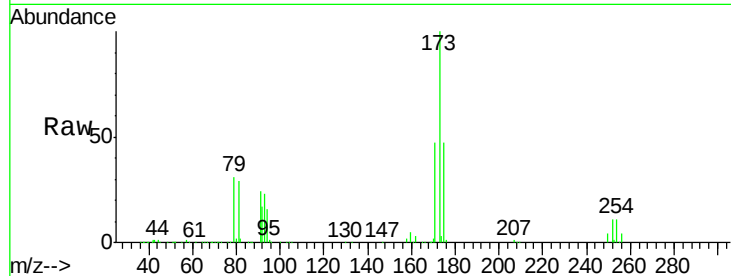
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.7
254	0.2	0.1	0.1#

Manual Integrations
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2/18/2019 2:34:41 PM

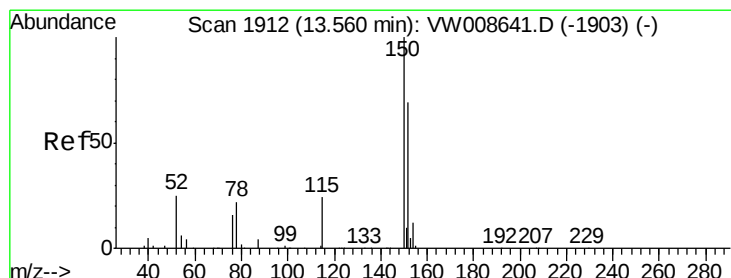
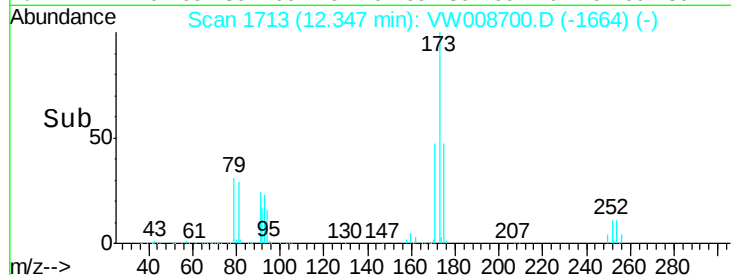
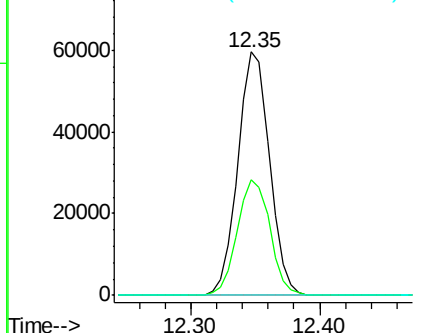


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

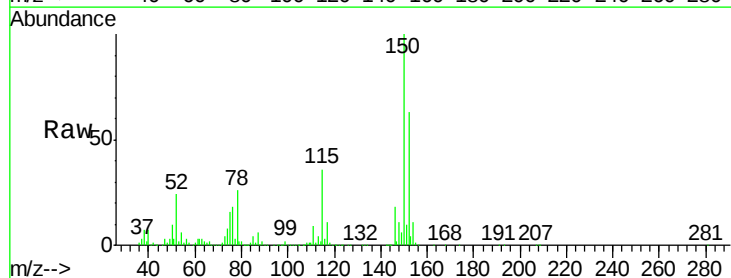
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.3	87.8
150	172.7	0.0	352.8

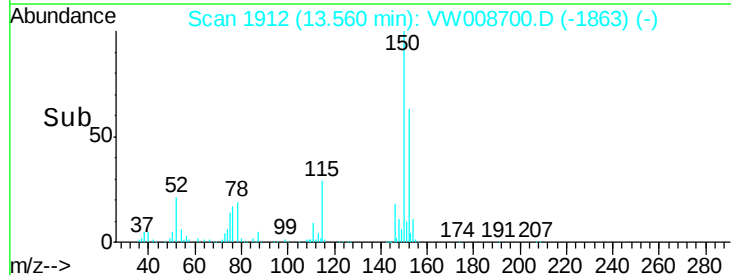
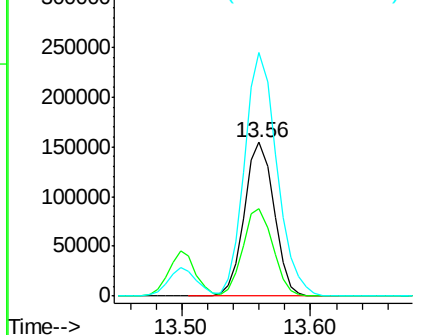


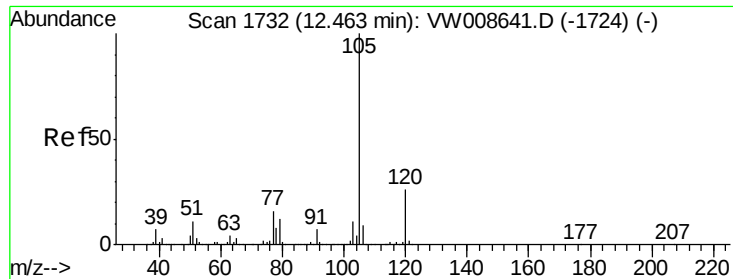
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.952 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 895846

Ion Ratio Lower Upper

105 100

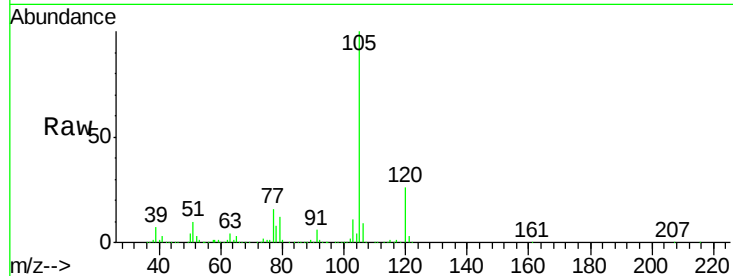
120 26.6 13.2 39.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

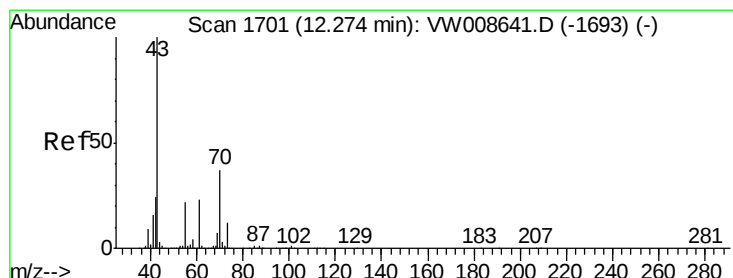
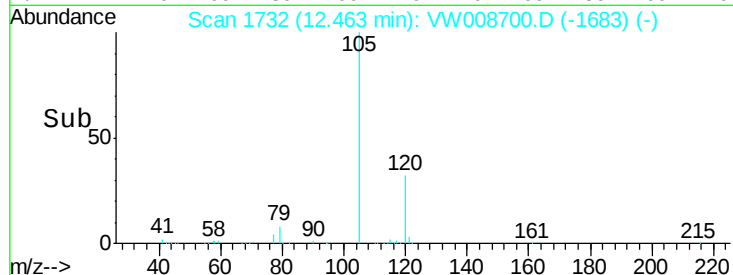
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 50.737 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion: 43 Resp: 251087

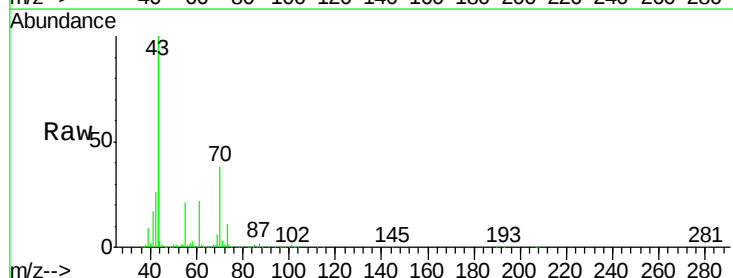
Ion Ratio Lower Upper

43 100

70 39.3 30.5 45.7

55 22.3 17.6 26.4

61 22.4 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

250000

200000

150000

100000

50000

0

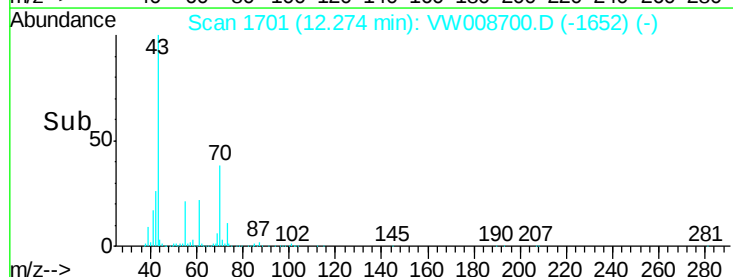
12.27

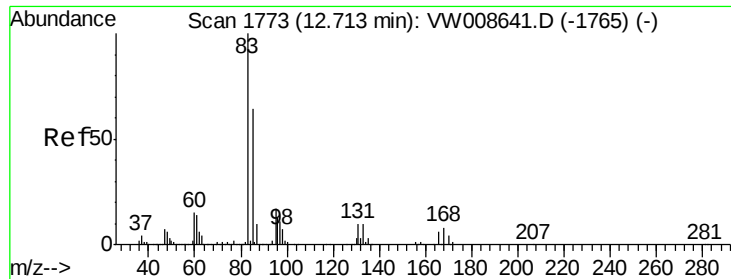
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.965 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

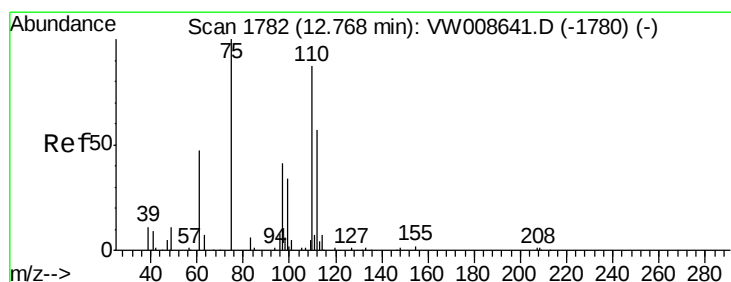
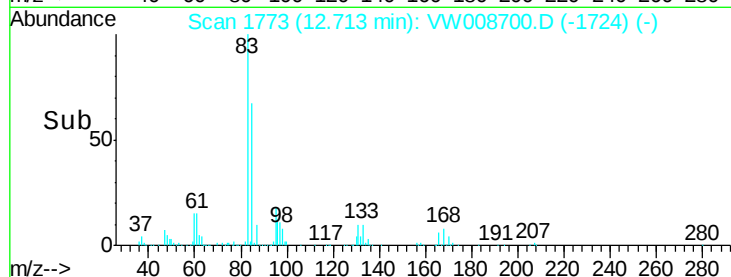
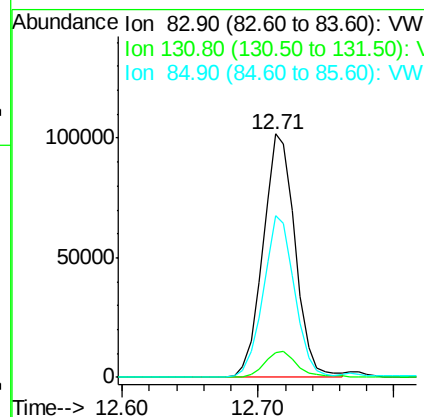
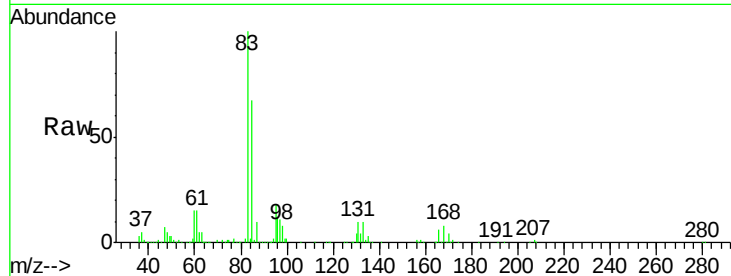
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168643
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.7
85	64.8	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.415 ug/l m

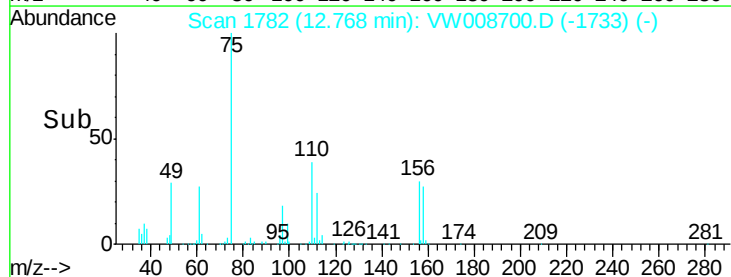
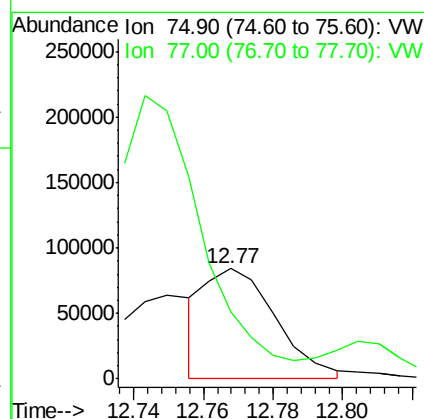
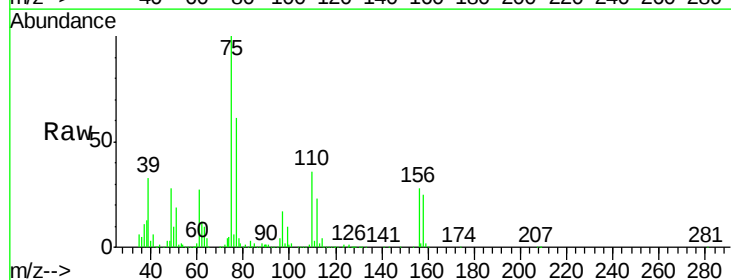
RT: 12.77 min Scan# 1782

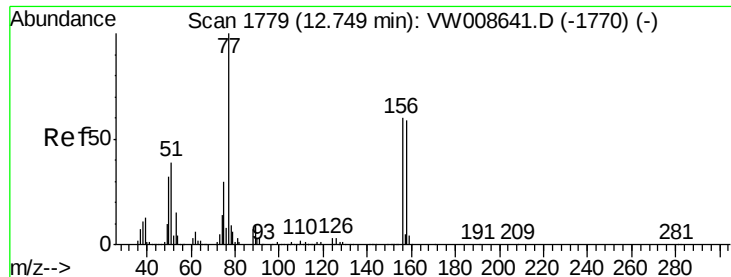
Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	75	Resp:	119880
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.921 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

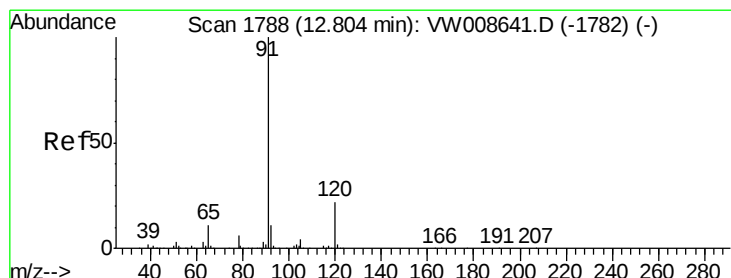
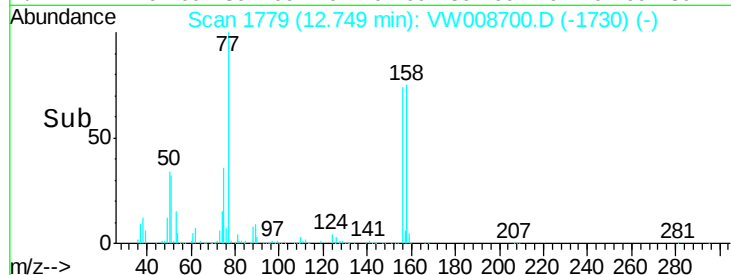
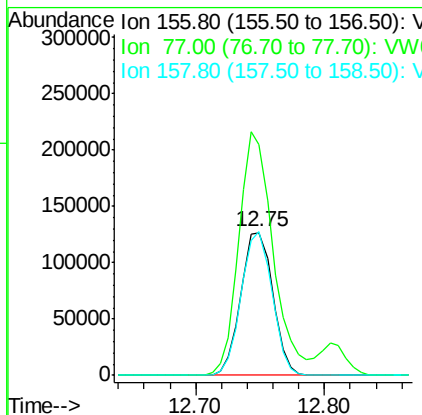
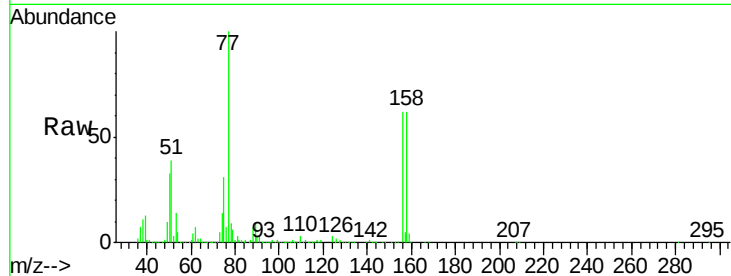
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	218419
Ion Ratio	Lower	Upper	
156	100		
77	181.5	93.2	279.5
158	97.1	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 49.027 ug/l

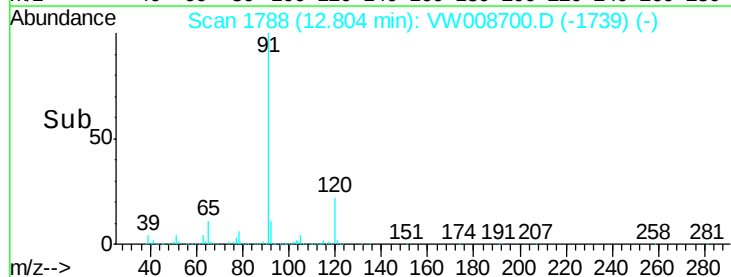
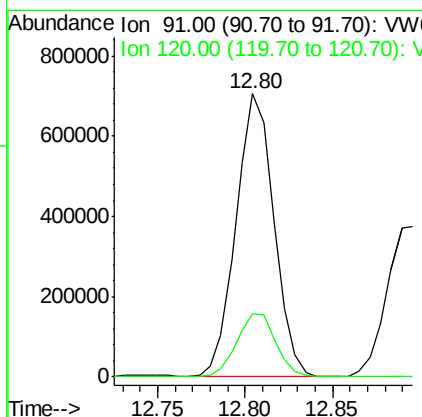
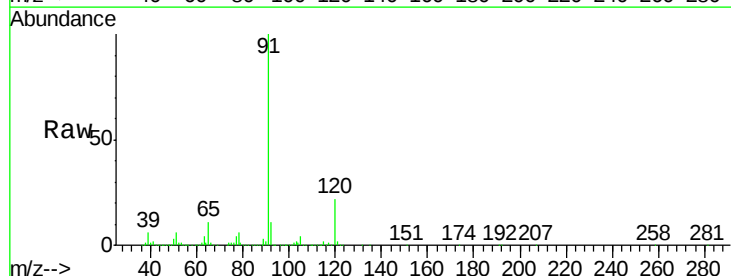
RT: 12.80 min Scan# 1788

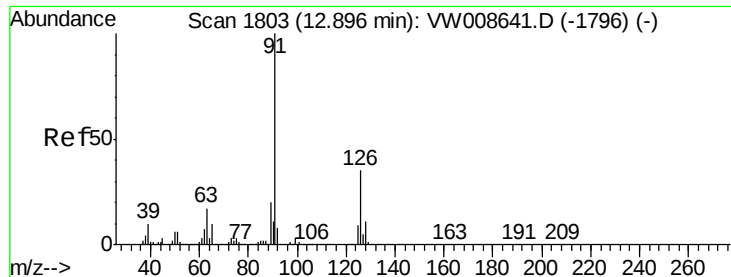
Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Tgt Ion:	91	Resp:	1066049
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.4	34.2





#79

2-Chlorotoluene

Concen: 50.500 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 620609

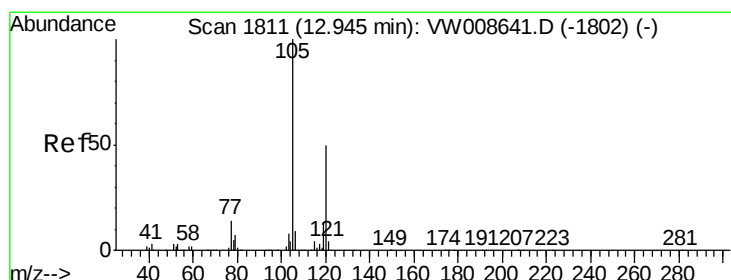
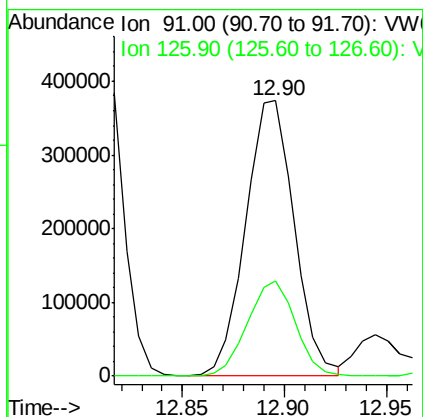
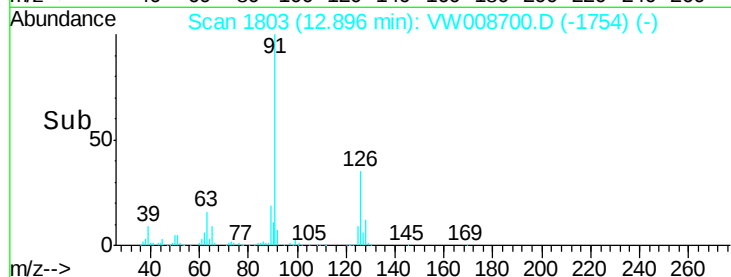
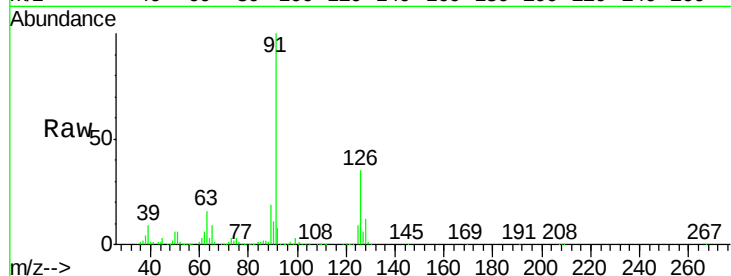
Ion Ratio Lower Upper

91 100

126 33.9 17.0 50.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.035 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008700.D

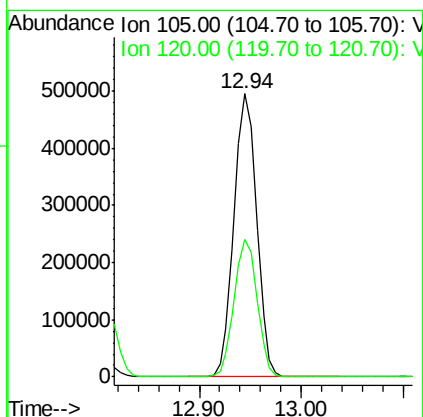
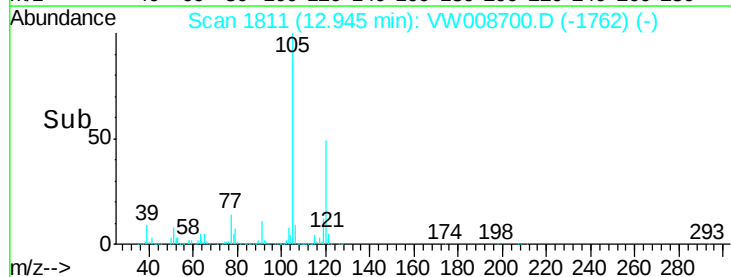
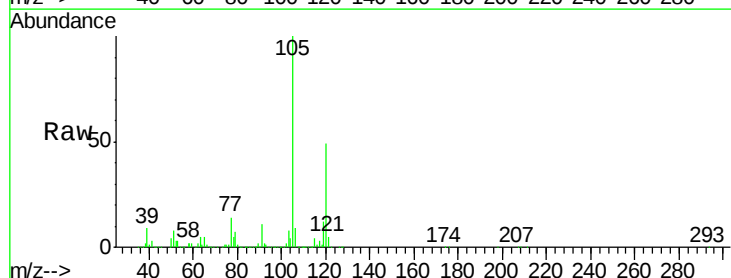
Acq: 15 Feb 2019 23:29

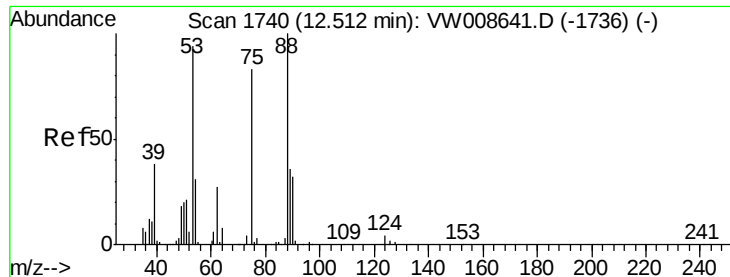
Tgt Ion: 105 Resp: 760561

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.8





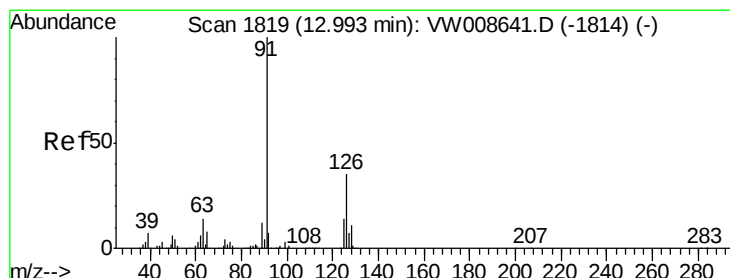
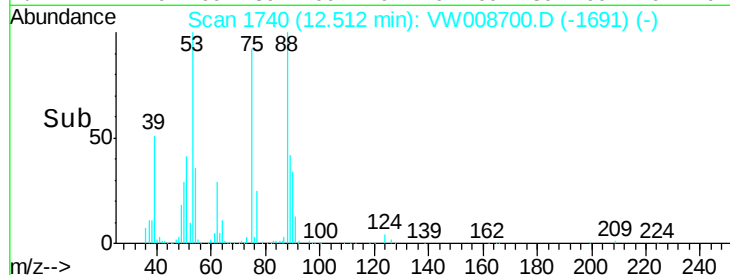
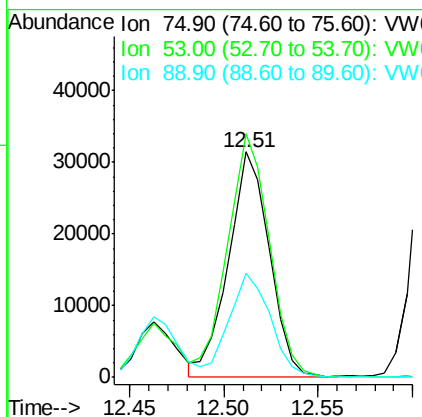
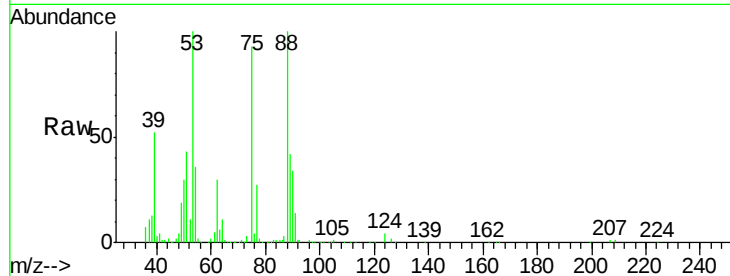
#81
trans-1,4-Dichloro-2-butene
Concen: 43.613 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.1	87.4	131.0
89	46.3	37.0	55.4

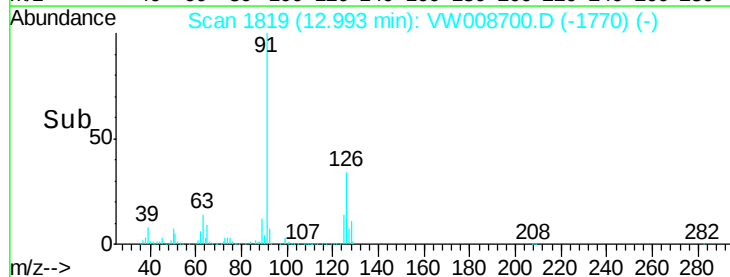
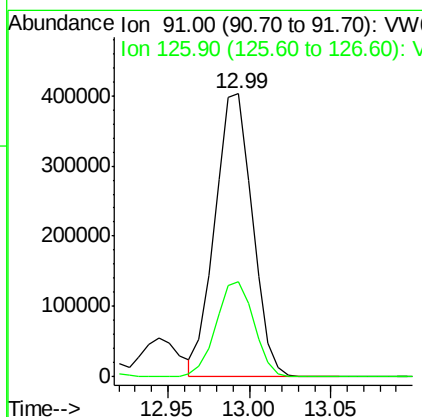
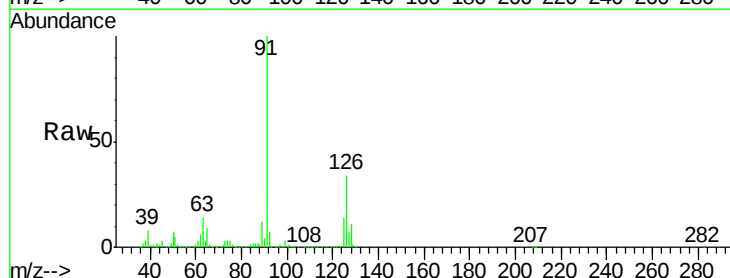
Manual Integrations
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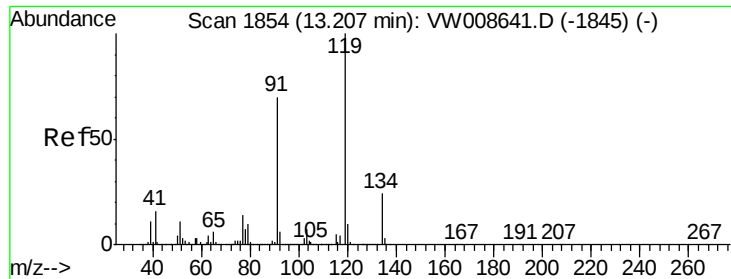
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#82
4-Chlorotoluene
Concen: 49.559 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7





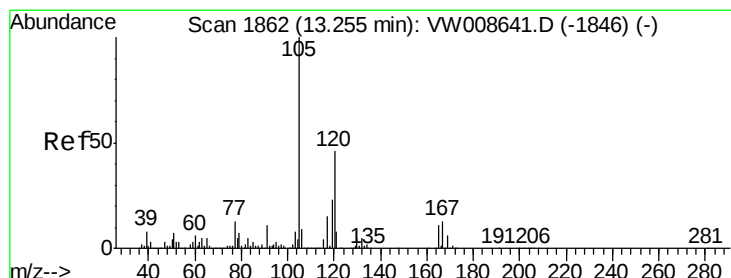
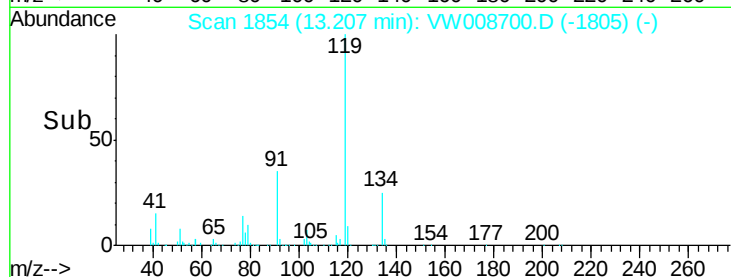
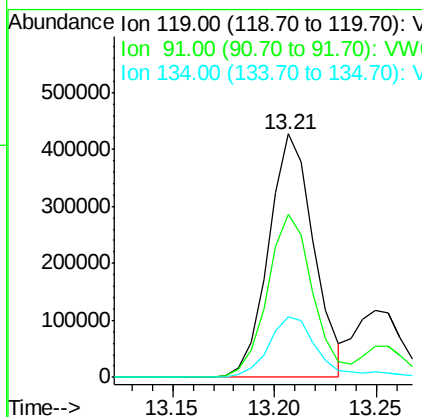
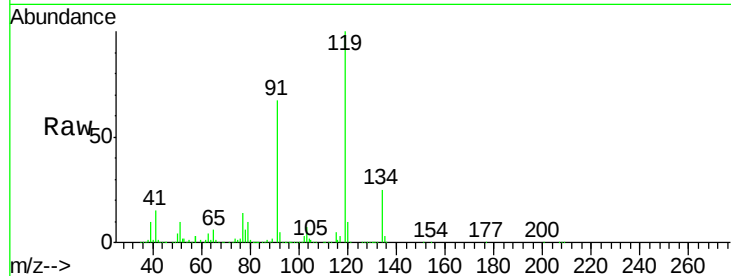
#83
 tert-Butylbenzene
 Concen: 49.908 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.0	102.0
134	27.5	13.6	40.8

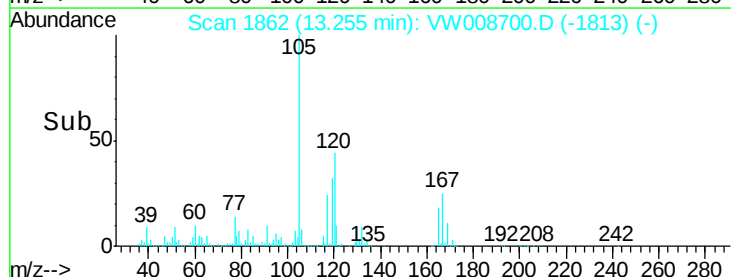
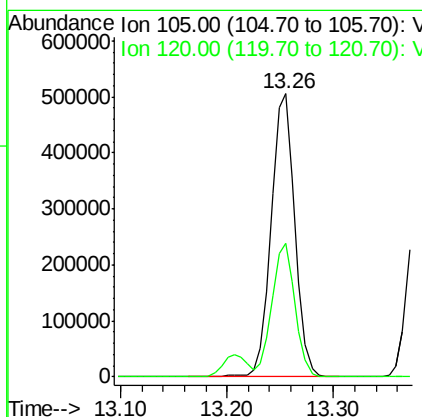
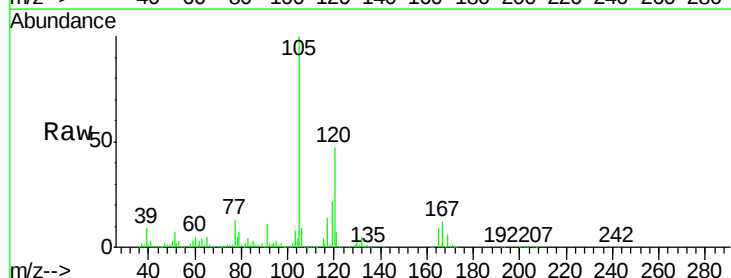
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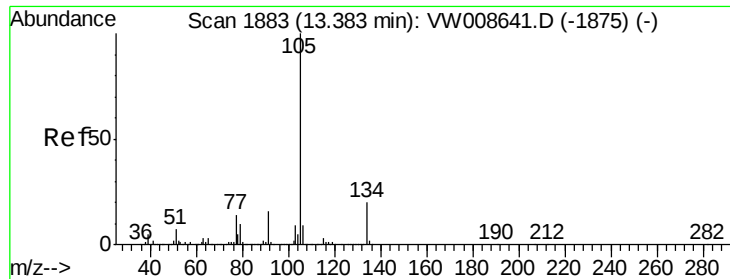
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.196 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 48.808 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 938011

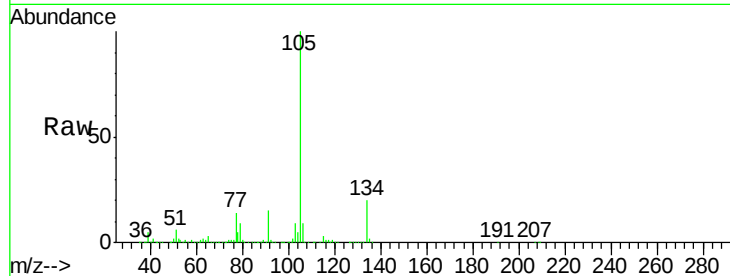
Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8

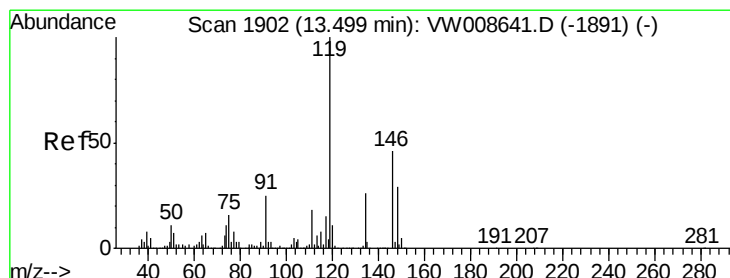
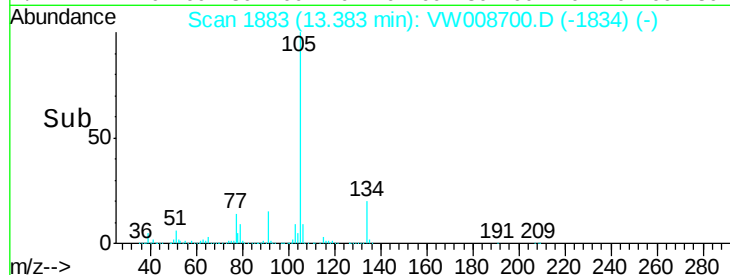
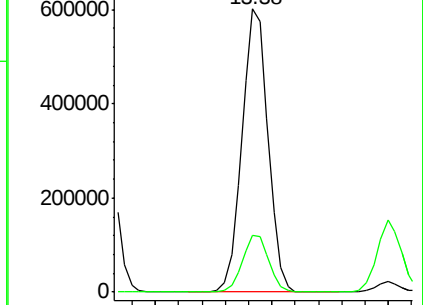
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.758 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008700.D

Acq: 15 Feb 2019 23:29

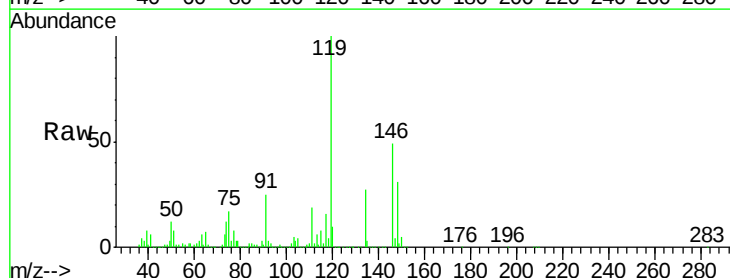
Tgt Ion:119 Resp: 838288

Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

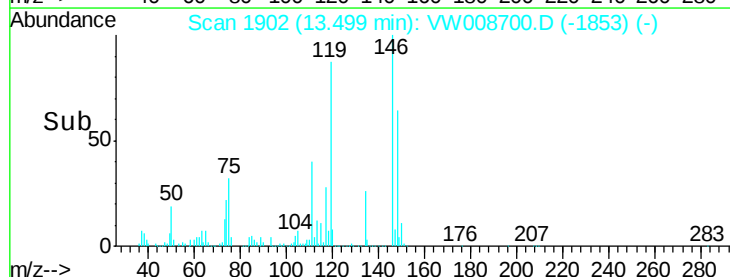
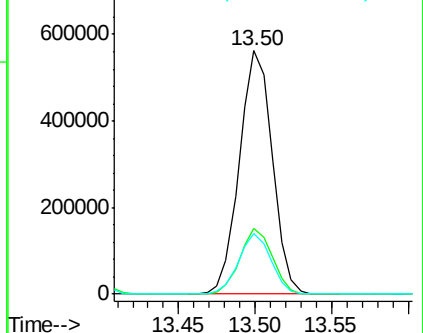
91 24.3 12.3 36.9

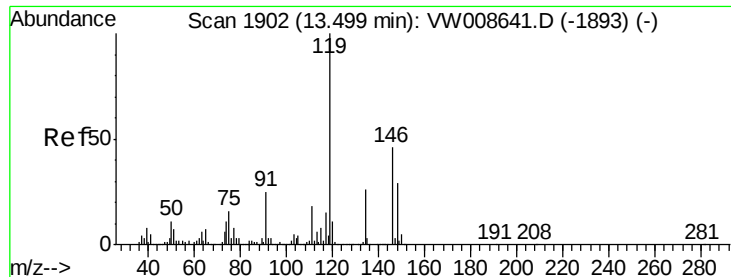


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





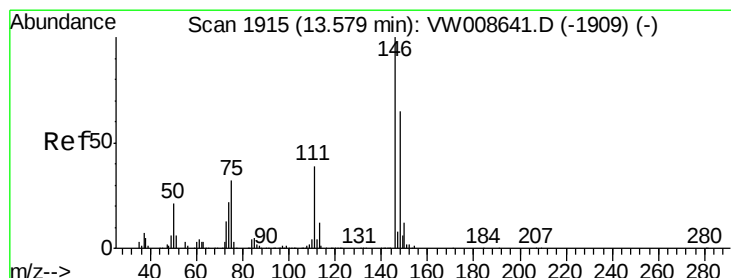
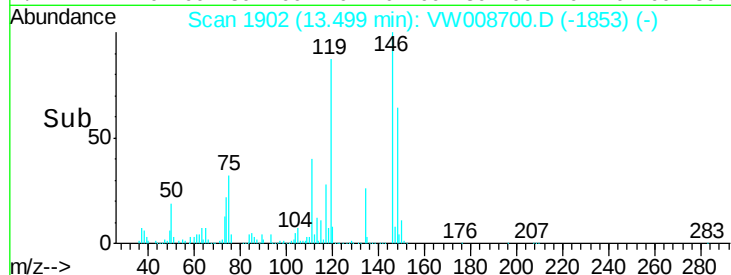
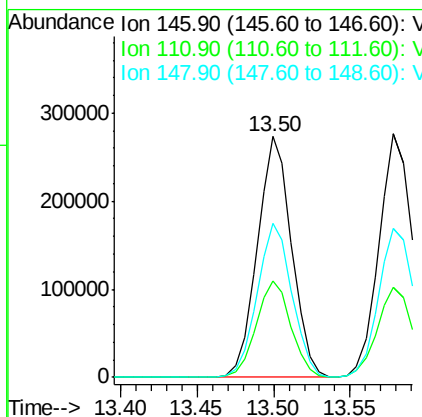
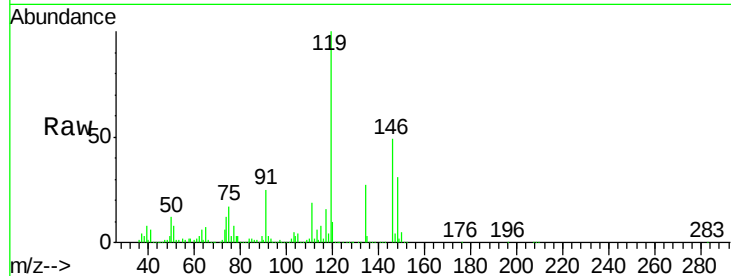
#87
 1,3-Dichlorobenzene
 Concen: 49.964 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.4	58.1
148	64.9	31.6	94.8

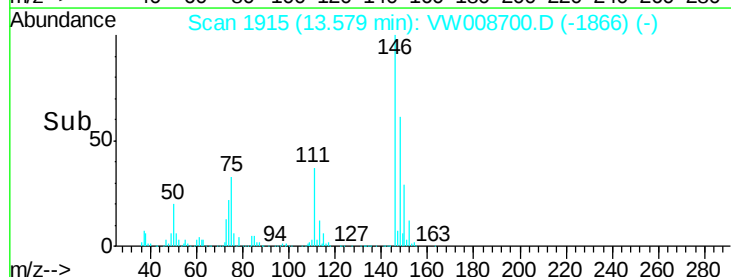
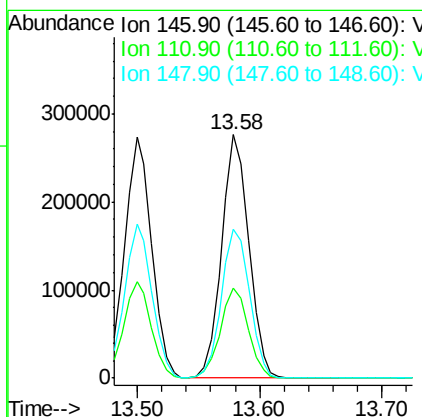
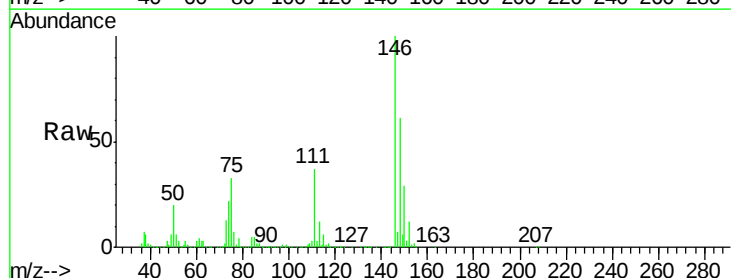
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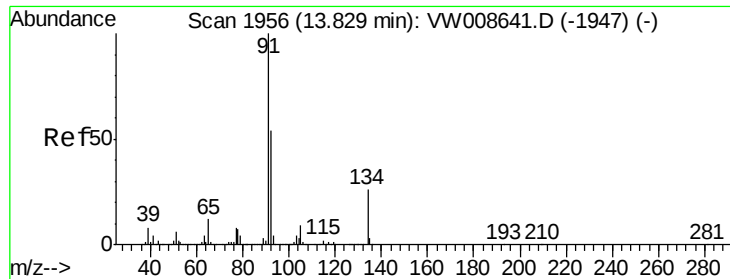
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#88
 1,4-Dichlorobenzene
 Concen: 50.534 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	63.9	31.8	95.4





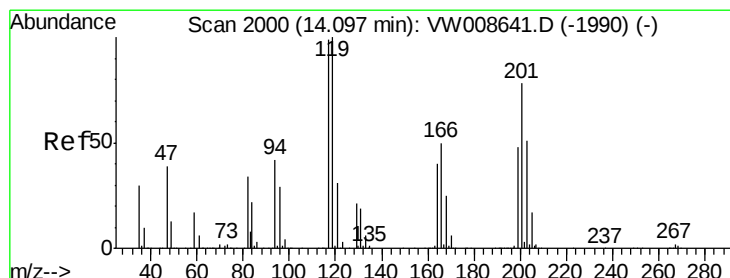
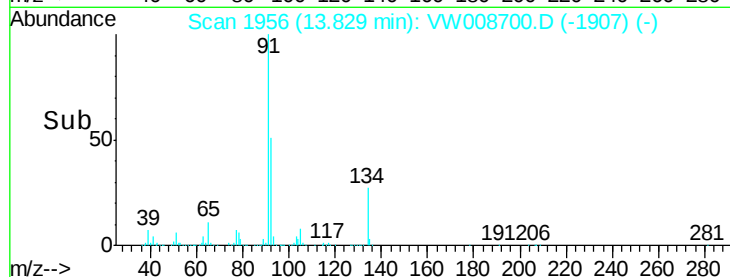
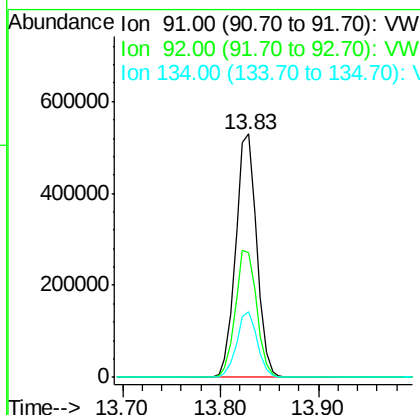
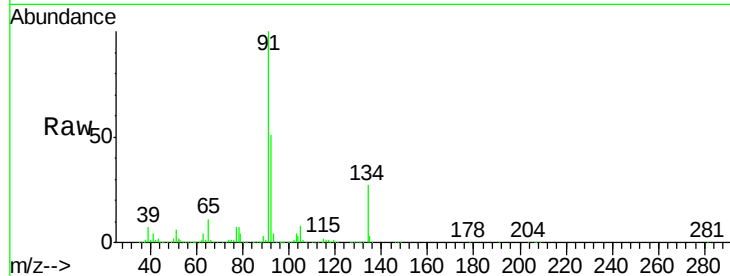
#89
n-Butylbenzene
Concen: 48.120 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.4
134	26.4	13.0	39.0

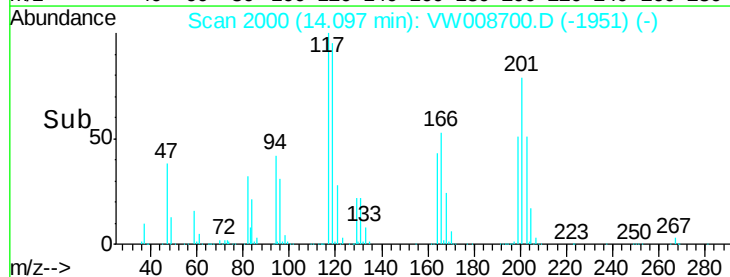
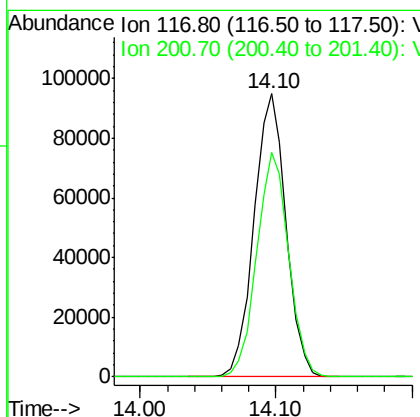
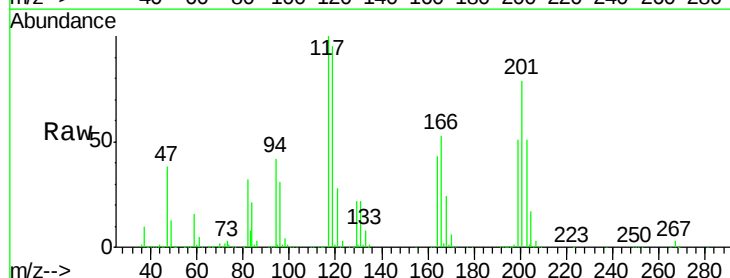
Manual Integrations
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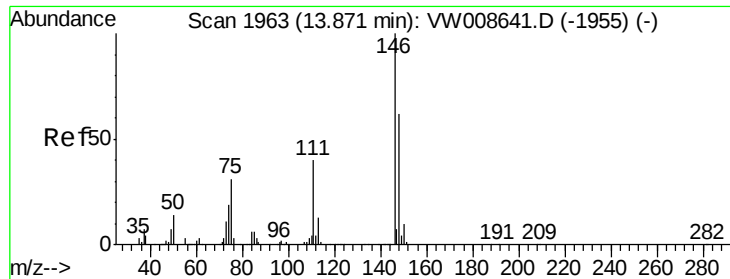
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#90
Hexachloroethane
Concen: 51.919 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.7	116.1





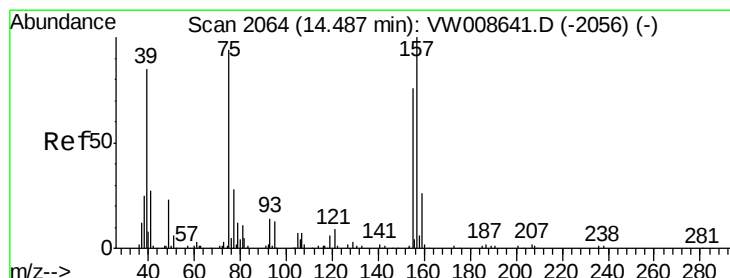
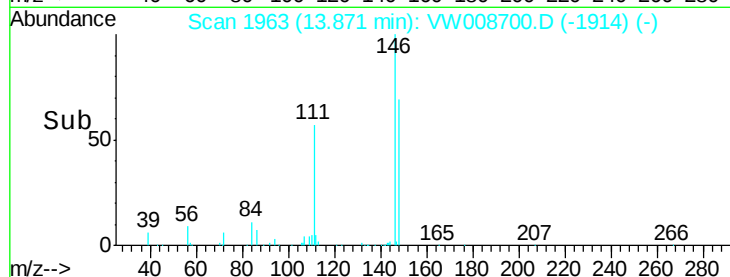
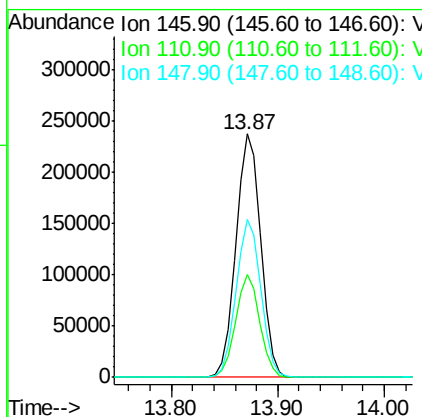
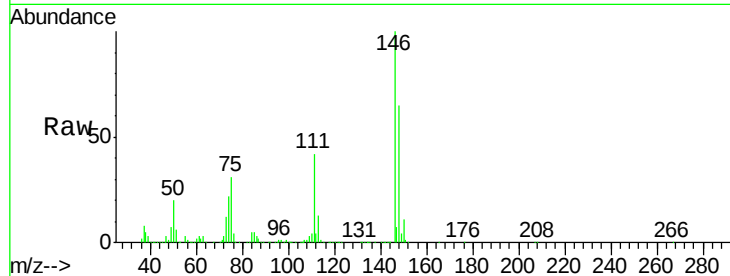
#91
 1,2-Dichlorobenzene
 Concen: 51.499 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	389098		
111	40.8		20.5	61.5
148	64.5		31.6	94.8

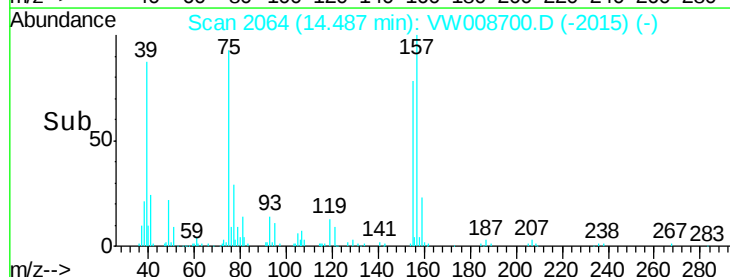
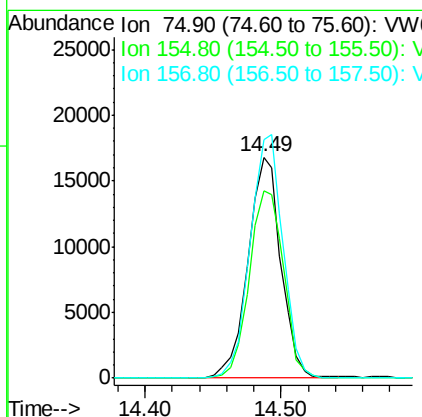
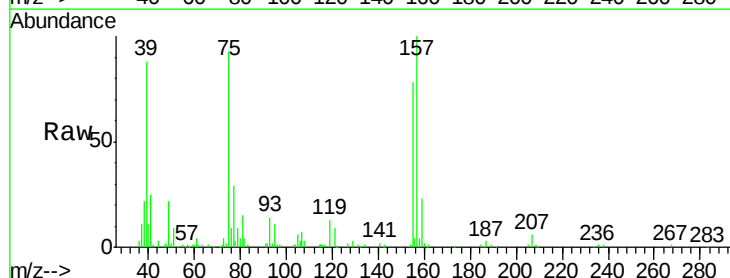
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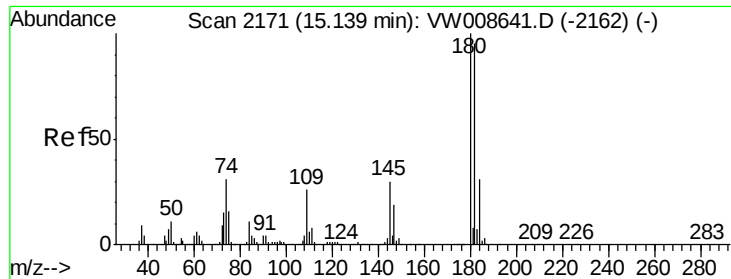
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.500 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28495		
155	88.1		41.8	125.4
157	109.5		53.8	161.4





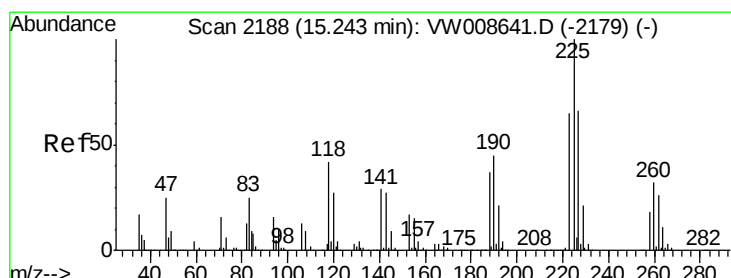
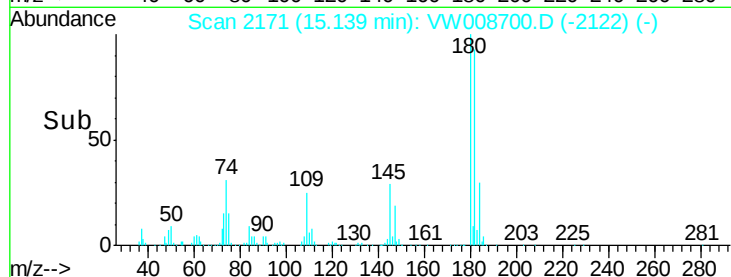
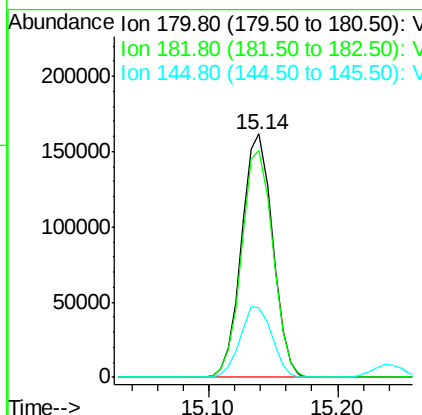
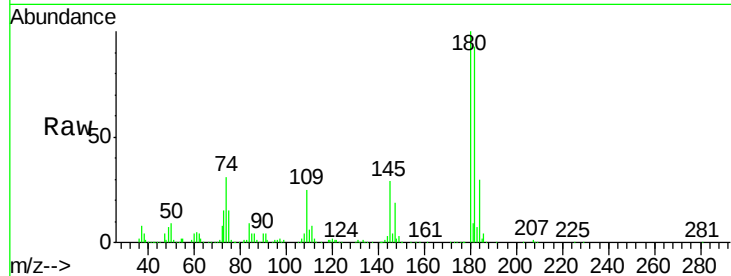
#93
 1,2,4-Trichlorobenzene
 Concen: 50.172 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269843		
182	94.5		47.5	142.5
145	29.9		15.1	45.3

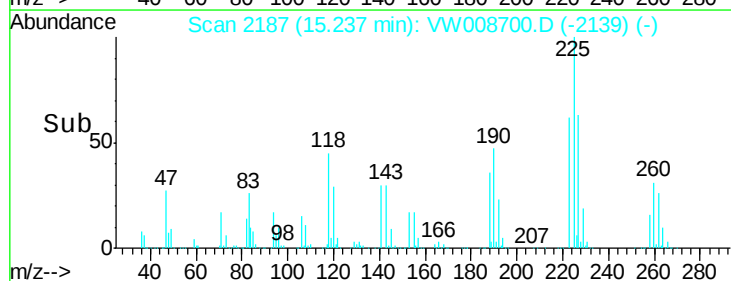
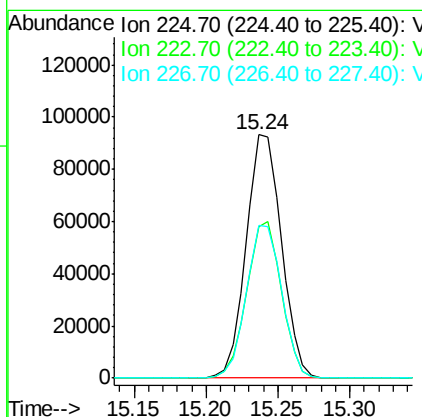
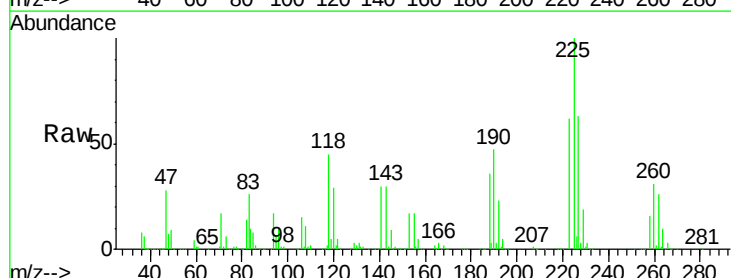
Manual Integrations
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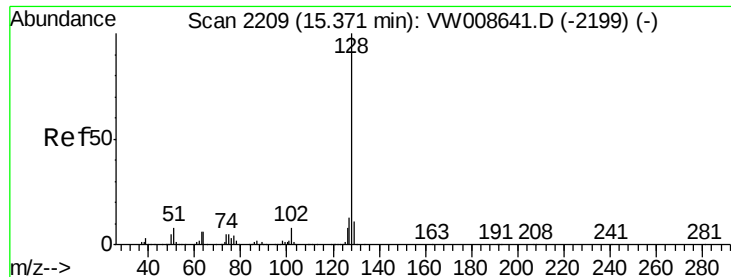
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#94
 Hexachlorobutadiene
 Concen: 50.400 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008700.D
 Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	157789		
223	63.2		31.4	94.3
227	63.0		32.4	97.0





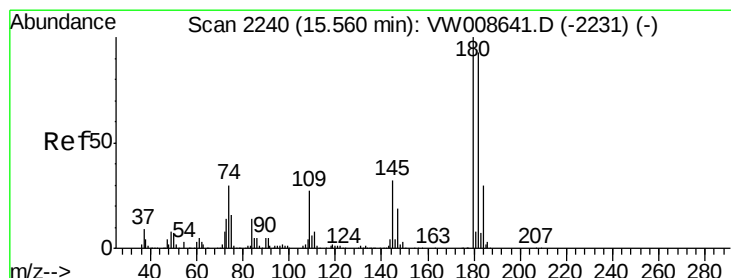
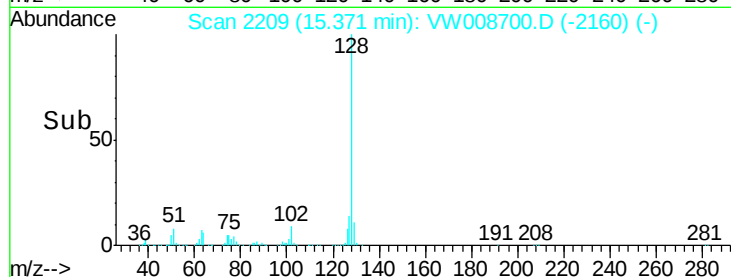
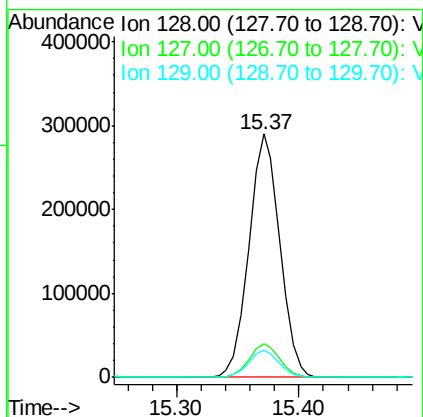
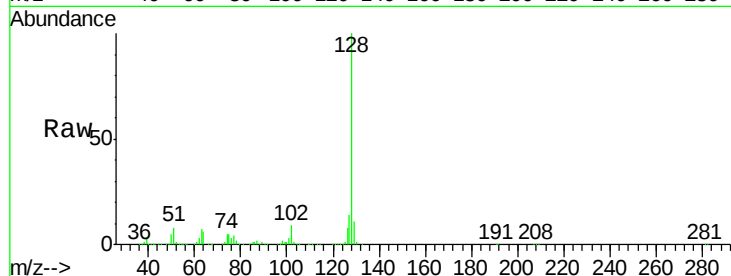
#95
Naphthalene
Concen: 52.838 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.7	10.9	16.3
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.652 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008700.D
Acq: 15 Feb 2019 23:29

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.4	47.5	142.5
145	31.7	15.9	47.7

