

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008640.D
 Acq On : 13 Feb 2019 15:11
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:08:54 PM

Quant Time: Feb 14 03:58:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:43:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	422548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	651566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	578243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	307312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	80470	18.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.64%	
35) Dibromofluoromethane	7.88	113	76956	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	
50) Toluene-d8	10.32	98	287871	18.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.92%	
62) 4-Bromofluorobenzene	12.62	95	108783	18.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52806	19.512	ug/l	98
3) Chloromethane	2.21	50	74263	19.034	ug/l	100
4) Vinyl Chloride	2.36	62	100702	19.650	ug/l	93
5) Bromomethane	2.77	94	84132	20.746	ug/l	98
6) Chloroethane	2.93	64	78744	20.649	ug/l	98
7) Trichlorofluoromethane	3.25	101	73319	18.369	ug/l	93
8) Diethyl Ether	3.67	74	47206	19.818	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	87353	20.709	ug/l	98
10) Methyl Iodide	4.26	142	135158	20.529	ug/l	100
11) Tert butyl alcohol	5.17	59	34771	100.832	ug/l	98
12) 1,1-Dichloroethene	4.03	96	84559	20.498	ug/l	95
13) Acrolein	3.88	56	37252	102.870	ug/l	99
14) Allyl chloride	4.65	41	138457	20.202	ug/l	98
15) Acrylonitrile	5.37	53	99401	99.145	ug/l	98
16) Acetone	4.12	43	88656	88.994	ug/l	96
17) Carbon Disulfide	4.37	76	251205	20.179	ug/l	99
18) Methyl Acetate	4.67	43	42110	18.435	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	146692	20.257	ug/l	100
20) Methylene Chloride	4.91	84	97482	17.041	ug/l	87
21) trans-1,2-Dichloroethene	5.41	96	91371	20.225	ug/l	96
22) Diisopropyl ether	6.31	45	276885	20.073	ug/l	100
23) Vinyl Acetate	6.25	43	865978	96.728	ug/l	100
24) 1,1-Dichloroethane	6.21	63	160603	20.177	ug/l	99
25) 2-Butanone	7.17	43	134426	95.233	ug/l	98
26) 2,2-Dichloropropane	7.16	77	98753	19.860	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	98034	20.068	ug/l	98
28) Bromochloromethane	7.51	49	64843	19.297	ug/l	94
29) Tetrahydrofuran	7.52	42	87308	93.841	ug/l	95
30) Chloroform	7.67	83	160808	20.162	ug/l	95
31) Cyclohexane	7.95	56	161049	20.046	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	135201	20.072	ug/l	98
36) 1,1-Dichloropropene	8.07	75	132411	20.227	ug/l	99
37) Ethyl Acetate	7.25	43	63410	20.081	ug/l	98
38) Carbon Tetrachloride	8.07	117	131089	20.139	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	166272	20.082	ug/l	93
40) Benzene	8.32	78	362955	20.302	ug/l	97
41) Methacrylonitrile	7.48	41	35544	20.006	ug/l	96
42) 1,2-Dichloroethane	8.40	62	110861	19.991	ug/l	100
43) Isopropyl Acetate	8.42	43	121632	19.317	ug/l	97
44) Trichloroethene	9.09	130	99440	20.060	ug/l	98
45) 1,2-Dichloropropane	9.37	63	87303	19.732	ug/l	99
46) Dibromomethane	9.46	93	47314	19.412	ug/l	96
47) Bromodichloromethane	9.64	83	114531	19.553	ug/l	98
48) Methyl methacrylate	9.44	41	54342	18.623	ug/l	96
49) 1,4-Dioxane	9.44	88	15172	389.975	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	305602	94.482	ug/l	99
52) Toluene	10.38	92	232618	20.169	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	119853	19.477	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	139474	19.994	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	65155	19.483	ug/l	96
56) Ethyl methacrylate	10.65	69	85069	19.157	ug/l	99
57) 1,3-Dichloropropane	10.93	76	119449	20.131	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	216276	101.526	ug/l	99
59) 2-Hexanone	10.97	43	213185	93.822	ug/l	99
60) Dibromochloromethane	11.13	129	79762	19.933	ug/l	99
61) 1,2-Dibromoethane	11.23	107	65787	19.979	ug/l	97
64) Tetrachloroethene	10.86	164	87673	20.389	ug/l	98
65) Chlorobenzene	11.66	112	253961	20.377	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	87821	19.891	ug/l	98
67) Ethyl Benzene	11.73	91	446046	20.091	ug/l	100
68) m/p-Xylenes	11.84	106	346112	40.068	ug/l	99
69) o-Xylene	12.16	106	164290	20.121	ug/l	98
70) Styrene	12.18	104	259181	19.434	ug/l	99
71) Bromoform	12.35	173	46038	19.352	ug/l #	98
73) Isopropylbenzene	12.46	105	448201	19.580	ug/l	98
74) N-amyl acetate	12.27	43	116120	18.759	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	77437	19.443	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	65596m	17.884	ug/l	
77) Bromobenzene	12.75	156	107550	20.439	ug/l	93
78) n-propylbenzene	12.80	91	537785	19.772	ug/l	99
79) 2-Chlorotoluene	12.90	91	306257	19.923	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	378771	19.921	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	21280	17.142	ug/l	91
82) 4-Chlorotoluene	12.99	91	320230	19.657	ug/l	99
83) tert-Butylbenzene	13.21	119	327869	19.859	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	384292	19.665	ug/l	100
85) sec-Butylbenzene	13.39	105	480056	19.970	ug/l	99
86) p-Isopropyltoluene	13.50	119	422860	19.663	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	209138	19.606	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	208537	19.837	ug/l	97
89) n-Butylbenzene	13.83	91	405512	19.843	ug/l	99
90) Hexachloroethane	14.10	117	73316	19.513	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	187750	19.866	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12740	18.408	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:43:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	140608	20.901	ug/l	99
94) Hexachlorobutadiene	15.24	225	80924	20.665	ug/l	97
95) Naphthalene	15.37	128	242791	20.138	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	119853	20.761	ug/l	100

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

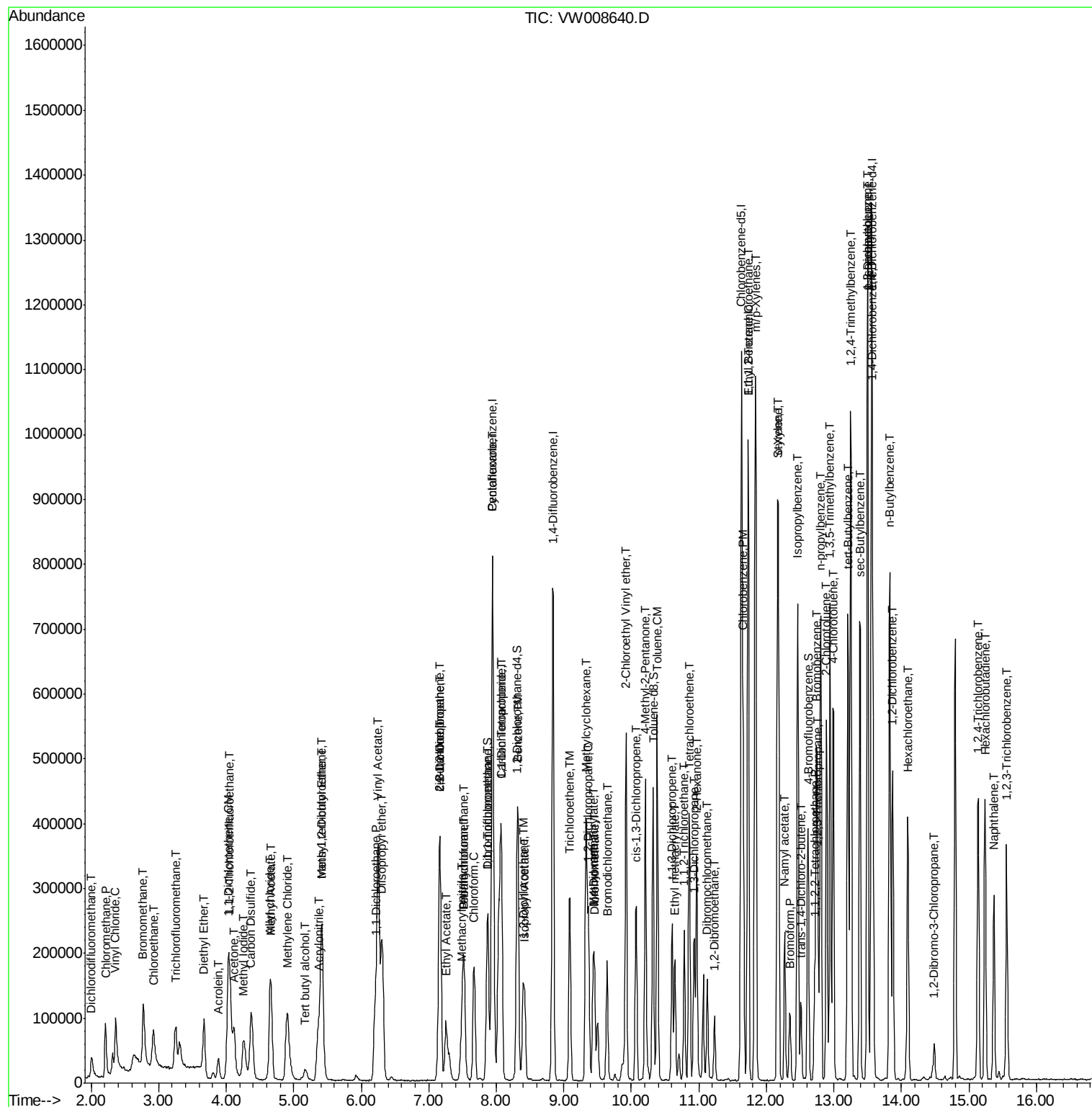
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021319\
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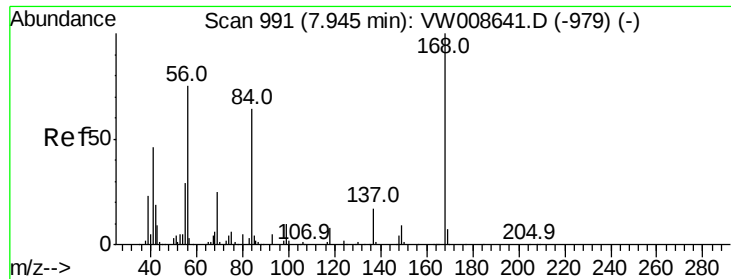
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 422548

Ion Ratio Lower Upper

168 100

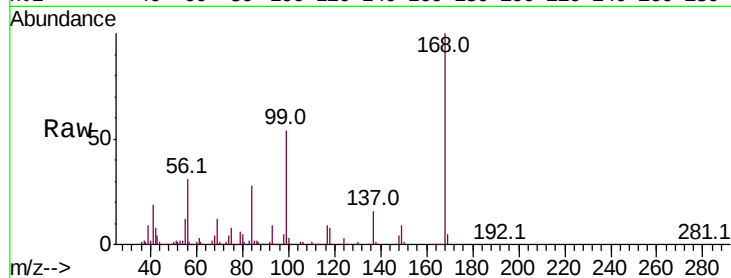
99 53.9 42.8 64.2

Manual Integrations

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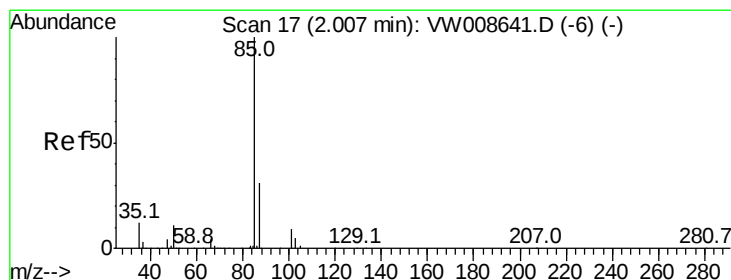
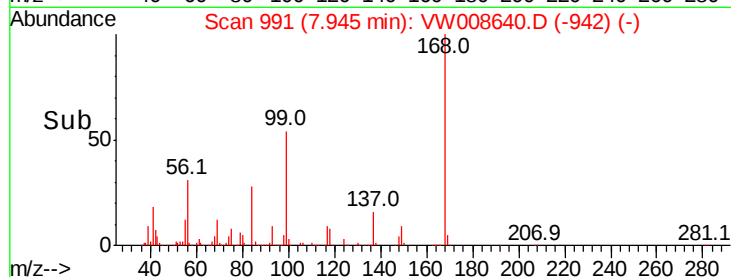
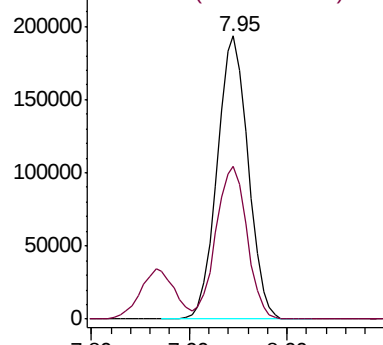
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.512 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008640.D

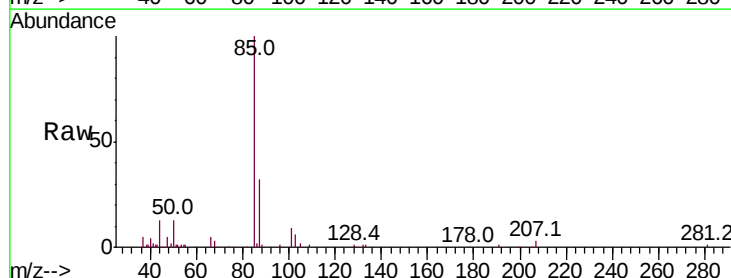
Acq: 13 Feb 2019 15:11

Tgt Ion: 85 Resp: 52806

Ion Ratio Lower Upper

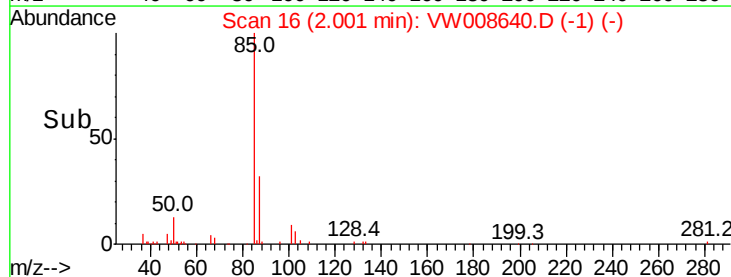
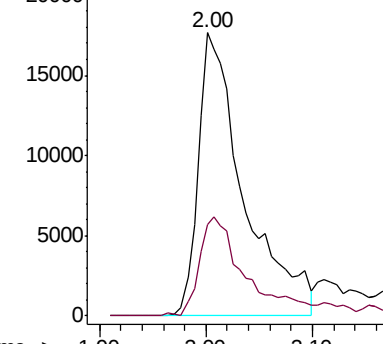
85 100

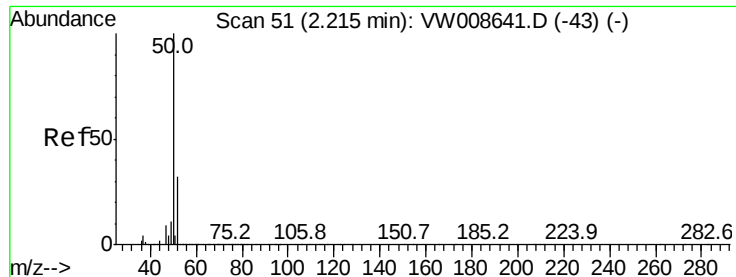
87 32.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.034 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 74263

Ion Ratio Lower Upper

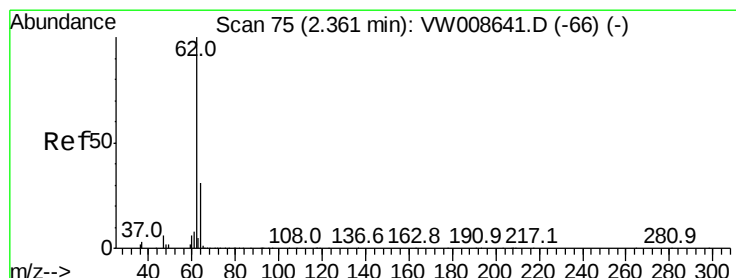
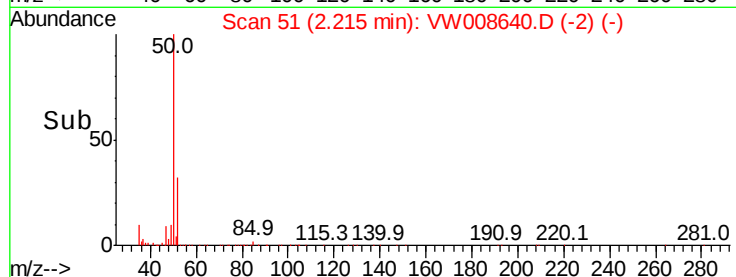
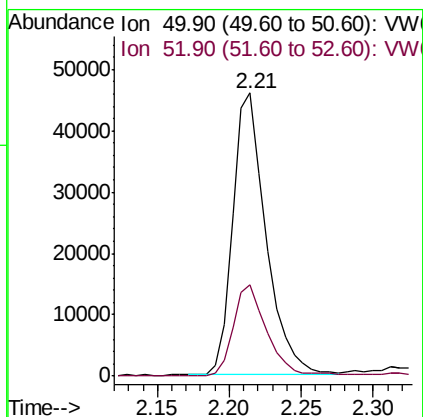
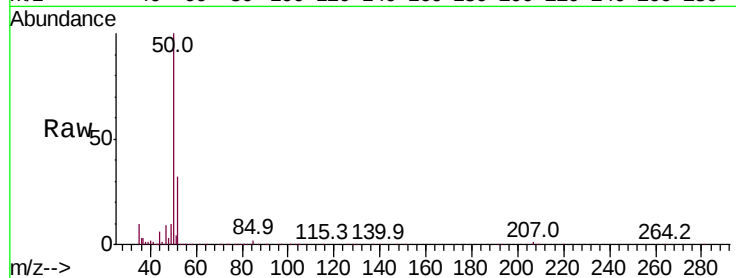
50 100

52 32.5 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.650 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW008640.D

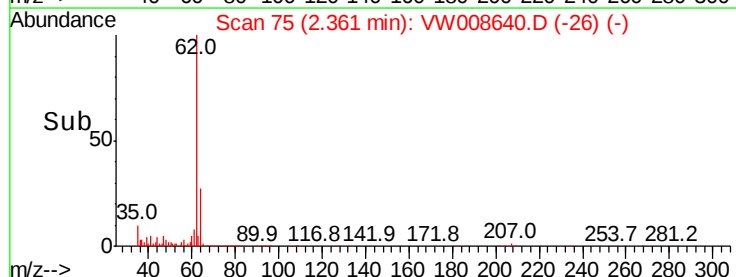
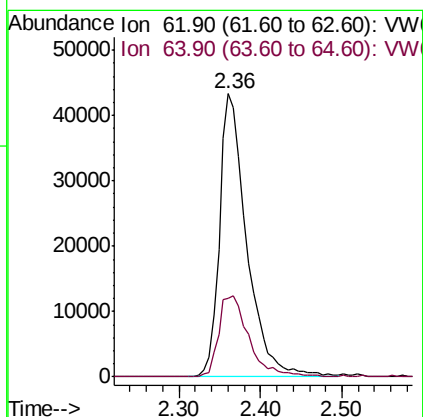
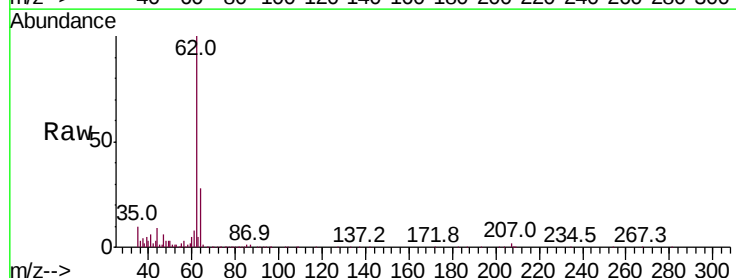
Acq: 13 Feb 2019 15:11

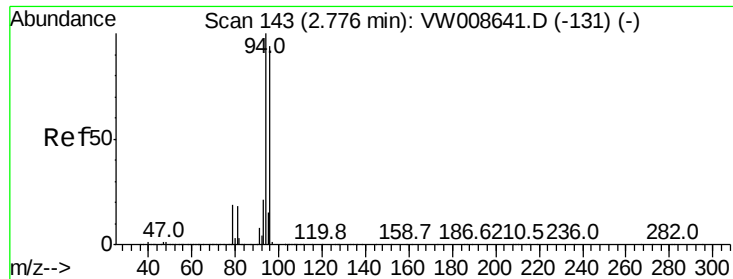
Tgt Ion: 62 Resp: 100702

Ion Ratio Lower Upper

62 100

64 27.4 25.1 37.7





#5

Bromomethane

Concen: 20.746 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 84132

Ion Ratio Lower Upper

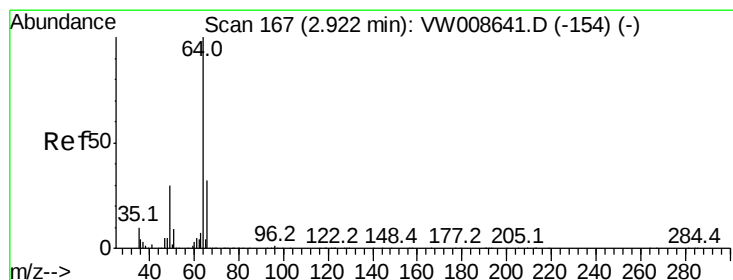
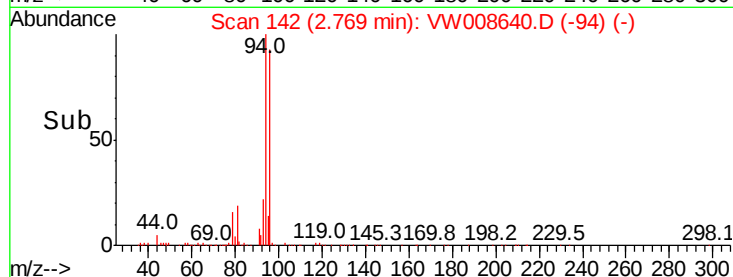
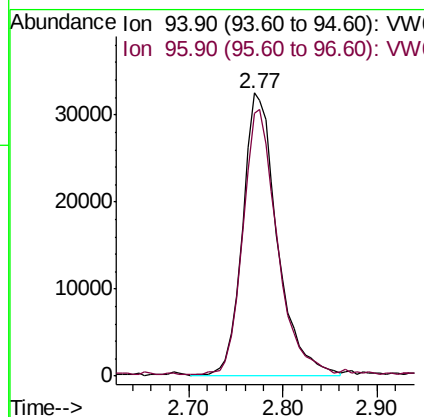
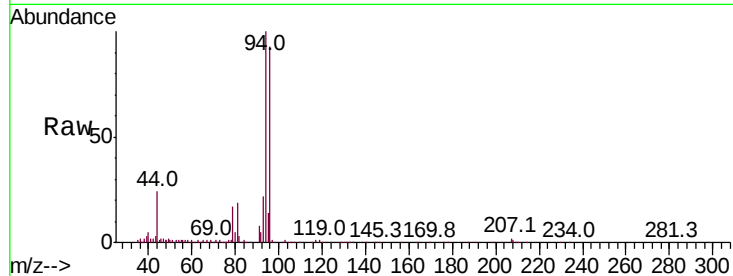
94 100

96 92.4 75.5 113.3

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#6

Chloroethane

Concen: 20.649 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW008640.D

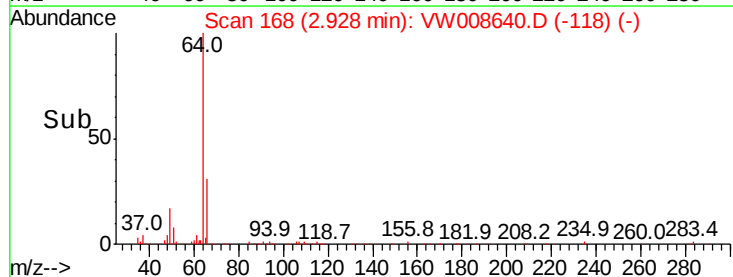
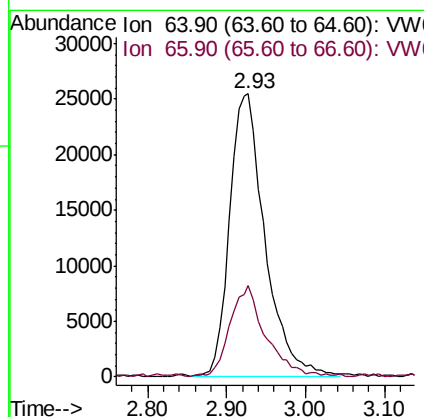
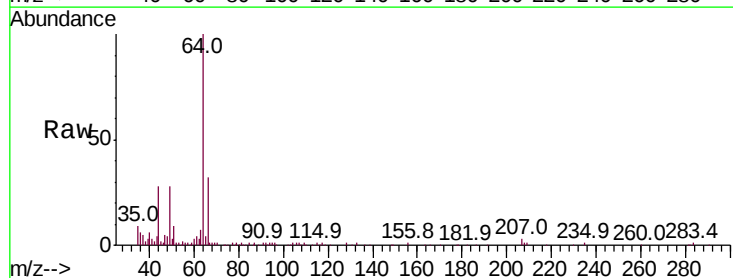
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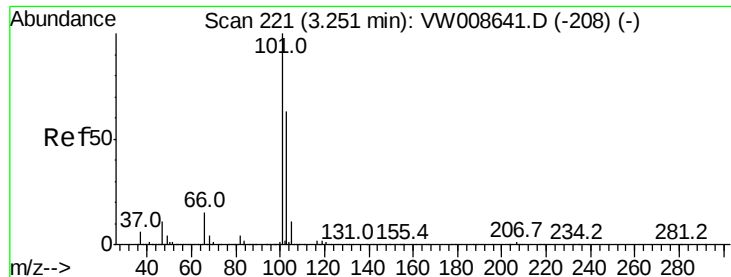
Tgt Ion: 64 Resp: 78744

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.4





#7

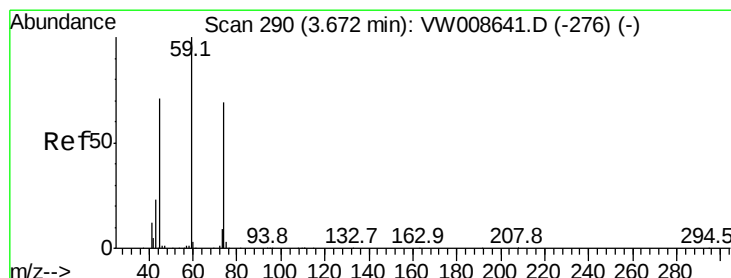
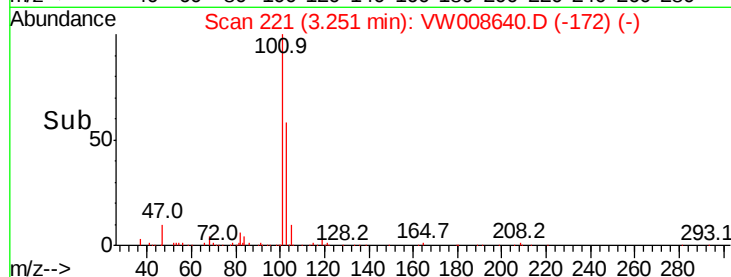
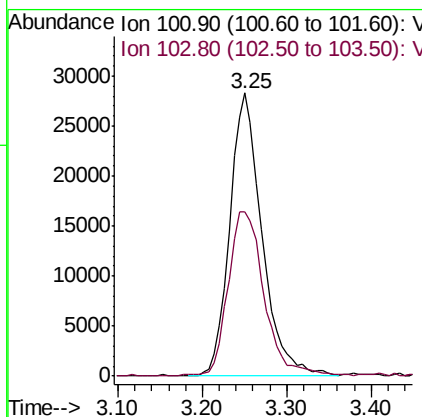
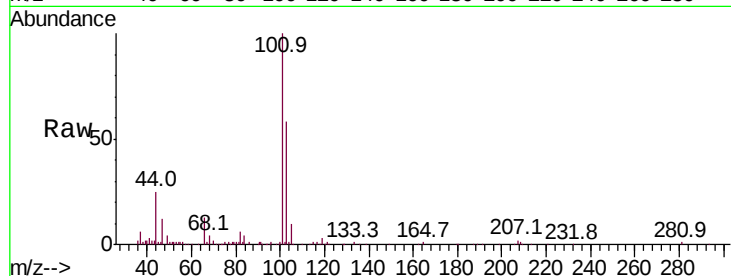
Trichlorofluoromethane
Concen: 18.369 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.4	50.5	75.7

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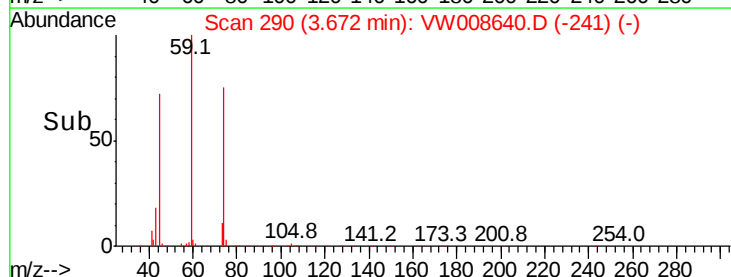
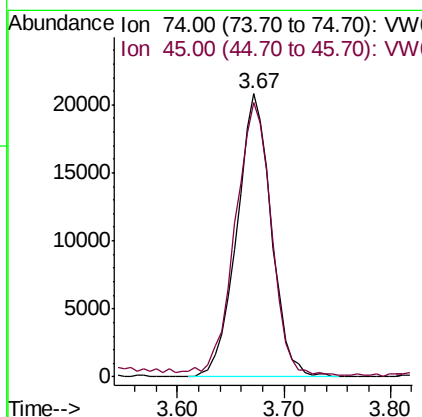
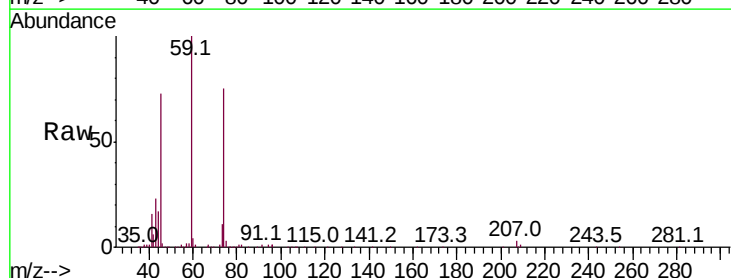
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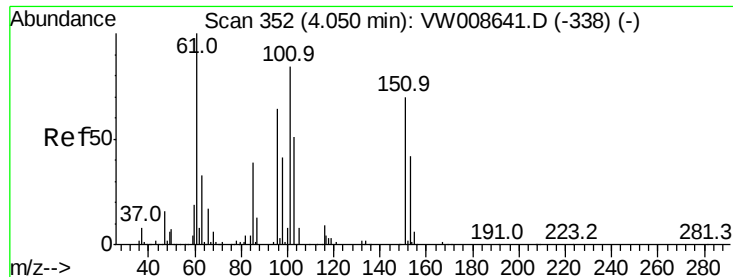


#8

Diethyl Ether
Concen: 19.818 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.709 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

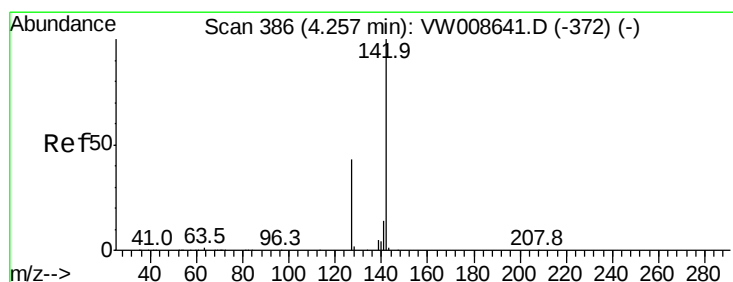
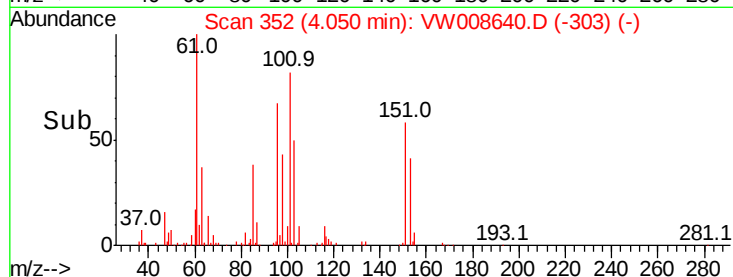
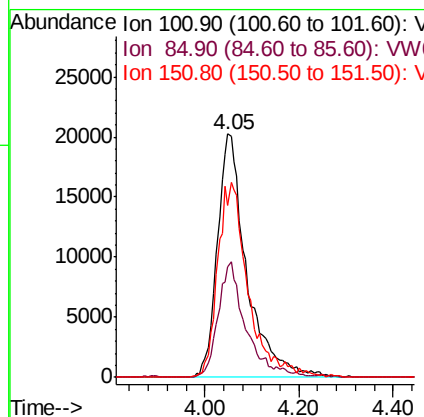
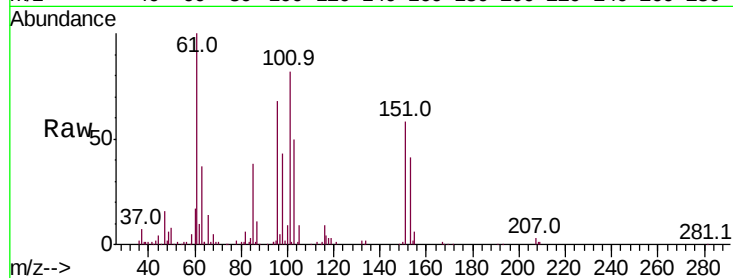
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	87353
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.3	51.5
151	79.9	65.6	98.4

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#10

Methyl Iodide

Concen: 20.529 ug/l

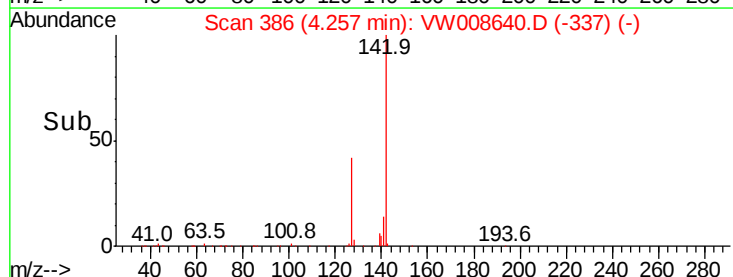
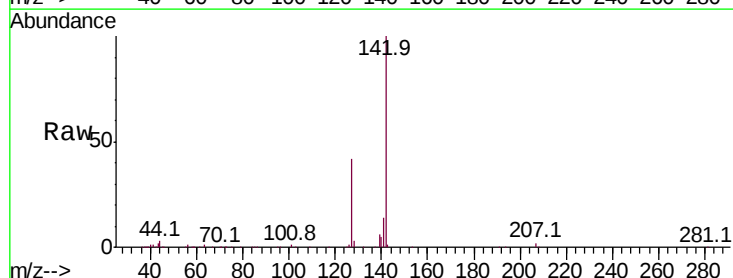
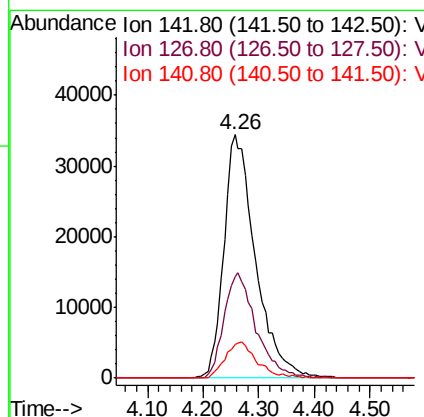
RT: 4.26 min Scan# 386

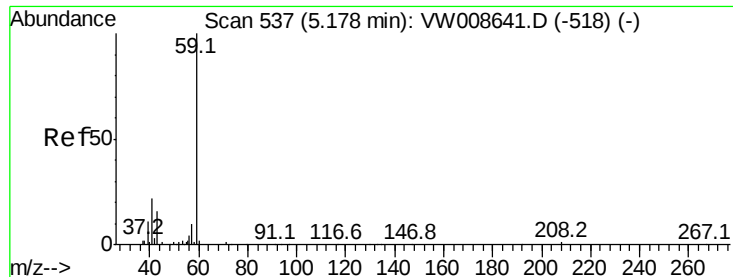
Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion:	142	Resp:	135158
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.8	52.2
141	14.9	11.8	17.8





#11

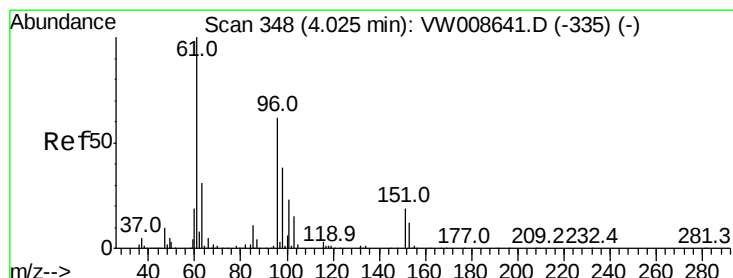
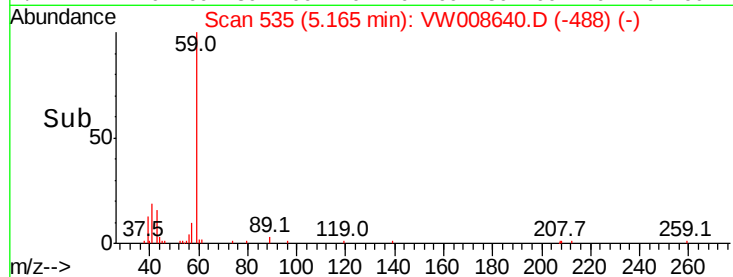
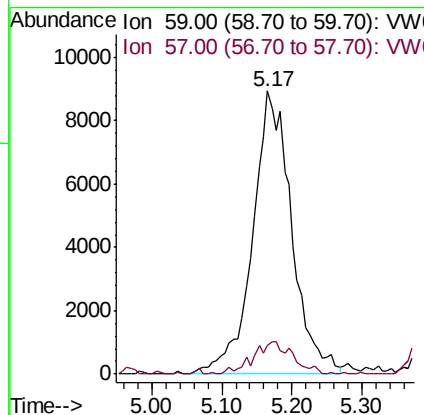
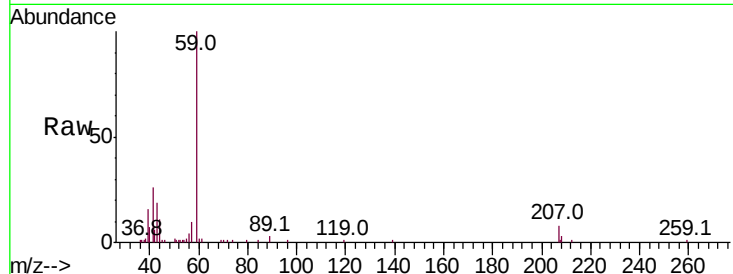
Tert butyl alcohol
Concen: 100.832 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5

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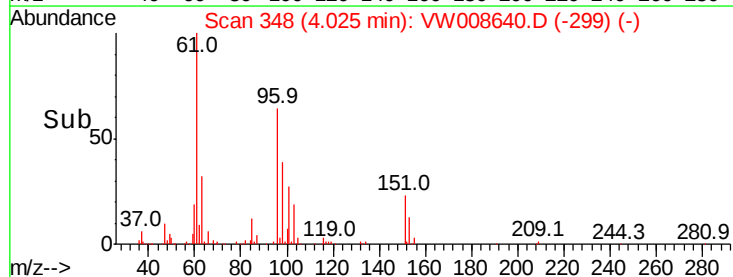
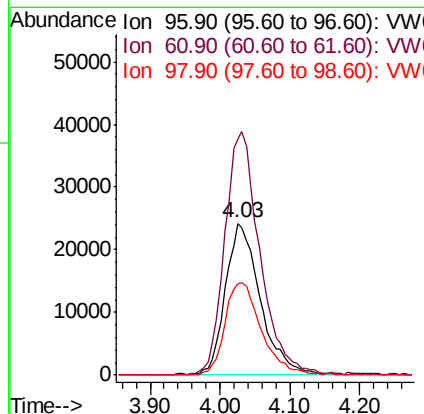
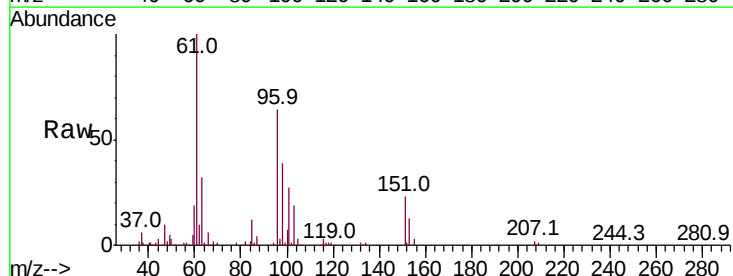
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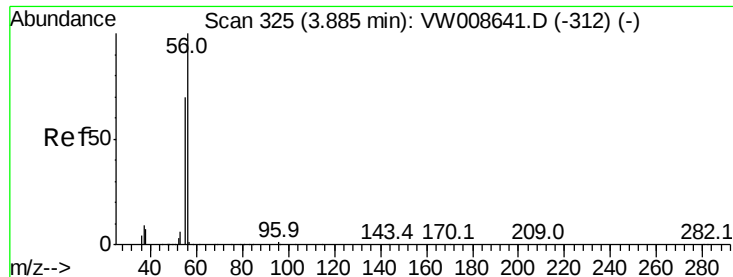


#12

1,1-Dichloroethene
Concen: 20.498 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	129.8	194.6
98	60.3	49.3	73.9





#13

Acrolein

Concen: 102.870 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 37252

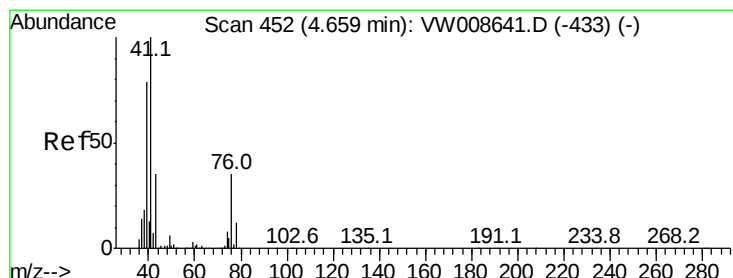
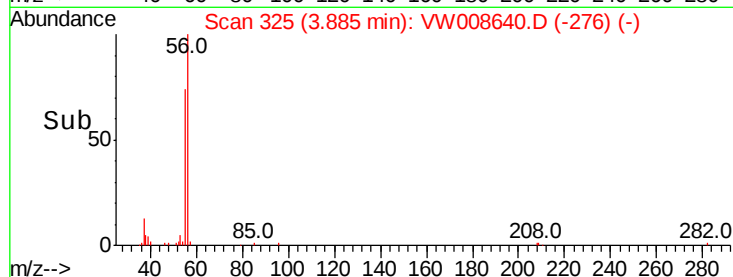
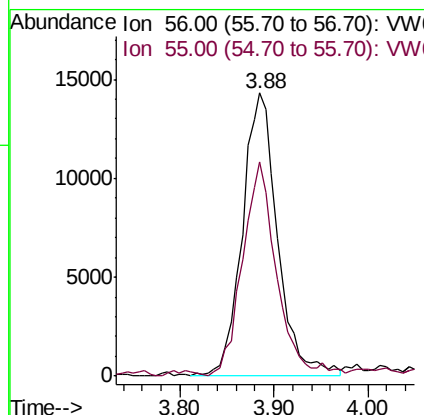
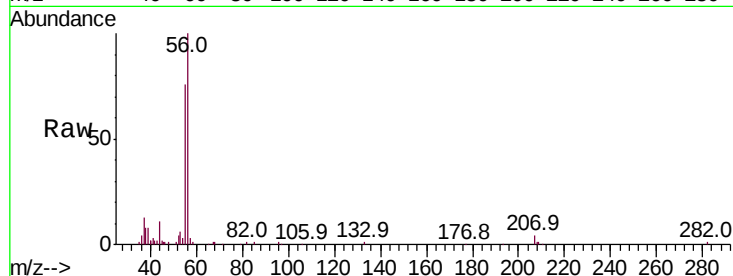
Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.2

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#14

Allyl chloride

Concen: 20.202 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

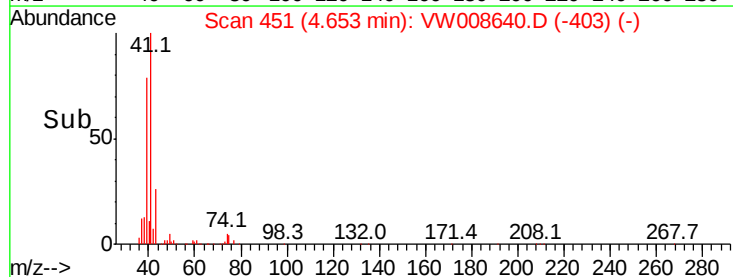
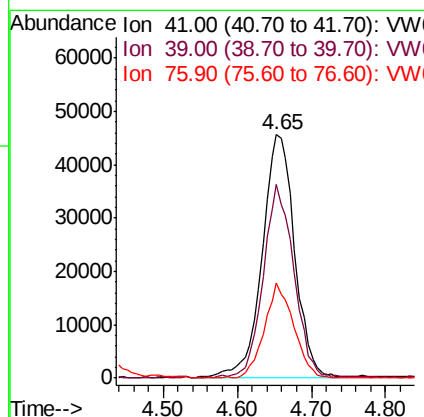
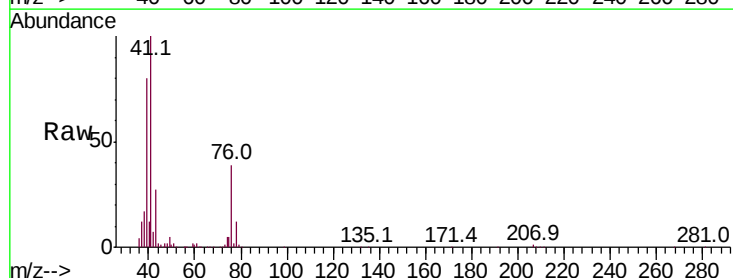
Tgt Ion: 41 Resp: 138457

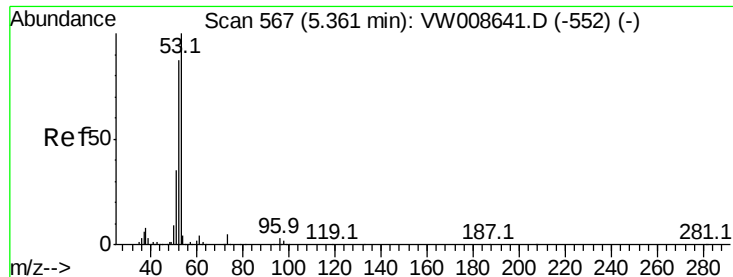
Ion Ratio Lower Upper

41 100

39 75.3 61.7 92.5

76 35.2 27.7 41.5





#15

Acrylonitrile

Concen: 99.145 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

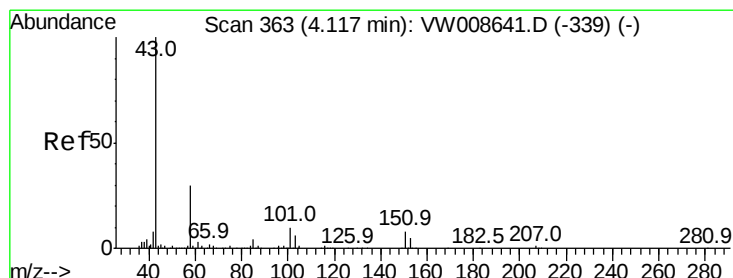
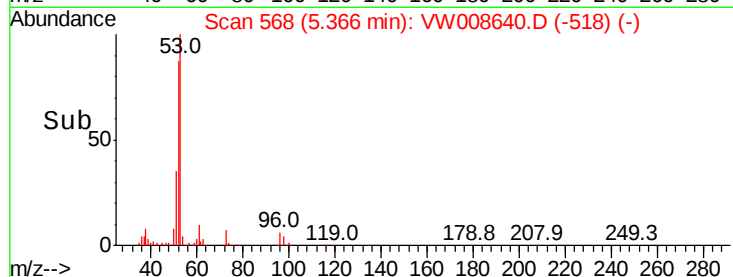
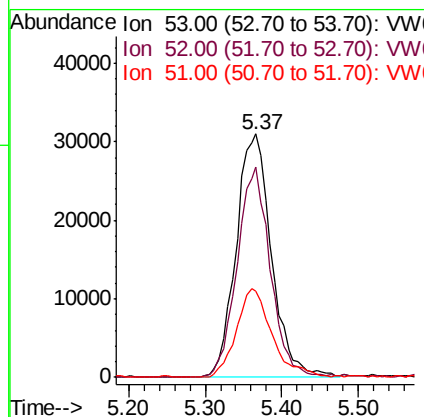
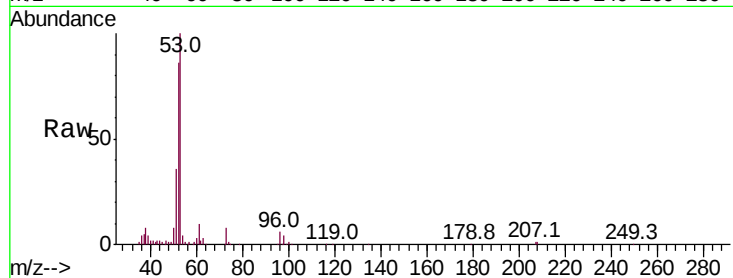
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	99401
Ion Ratio	Lower	Upper	
53	100		
52	81.3	66.8	100.2
51	36.7	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 88.994 ug/l

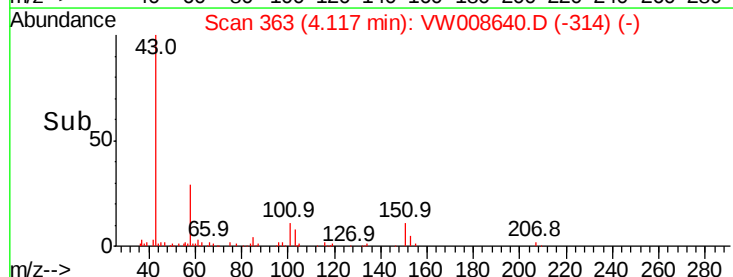
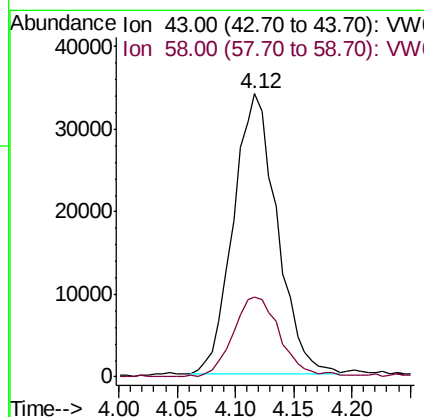
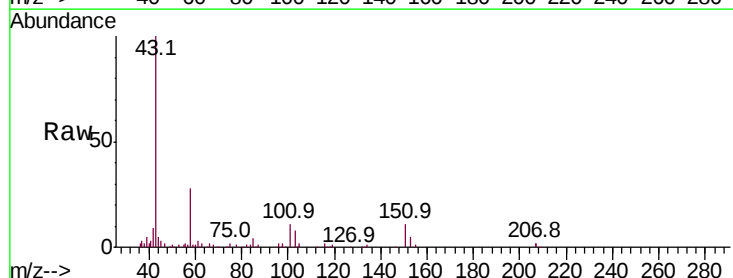
RT: 4.12 min Scan# 363

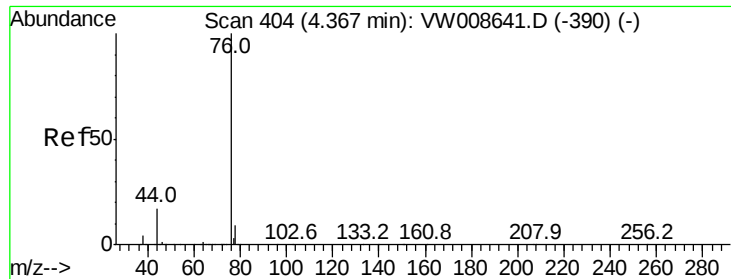
Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion:	43	Resp:	88656
Ion Ratio	Lower	Upper	
43	100		
58	27.9	24.1	36.1





#17

Carbon Disulfide

Concen: 20.179 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 251205

Ion Ratio Lower Upper

76 100

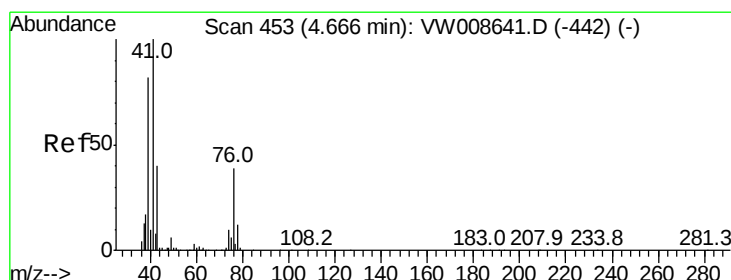
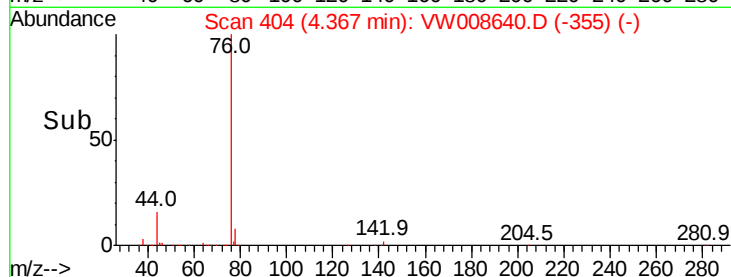
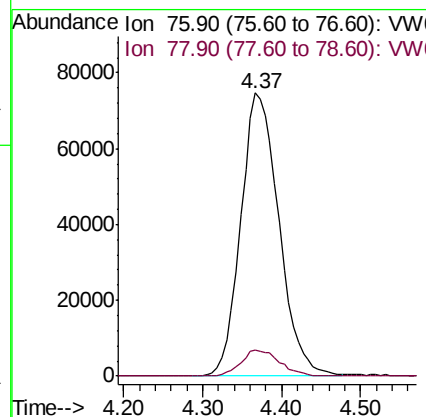
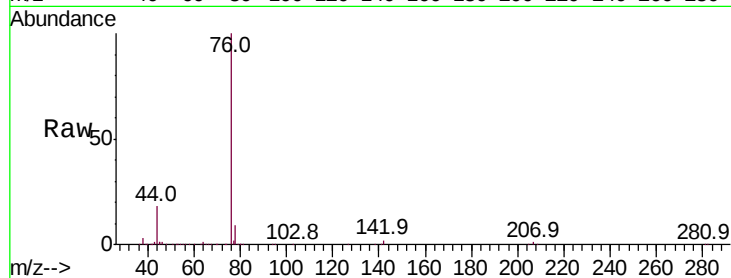
78 9.1 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 18.435 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008640.D

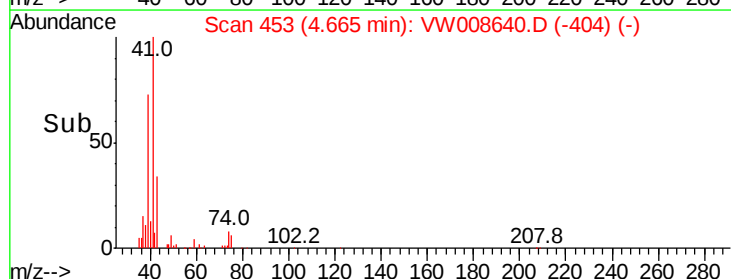
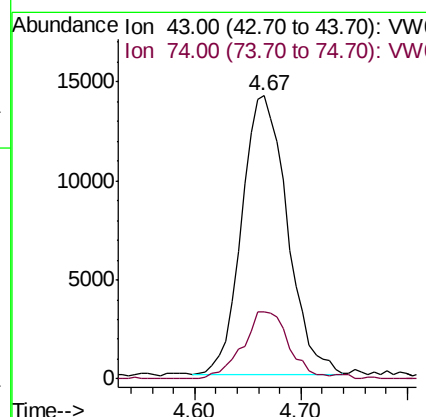
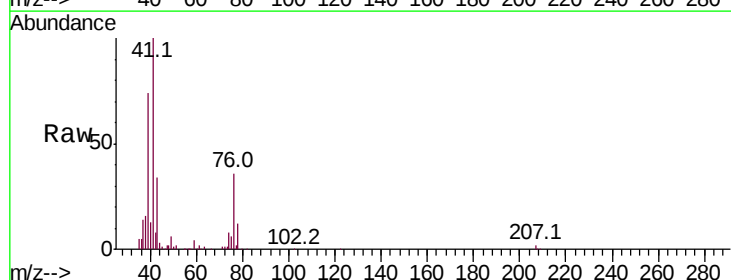
Acq: 13 Feb 2019 15:11

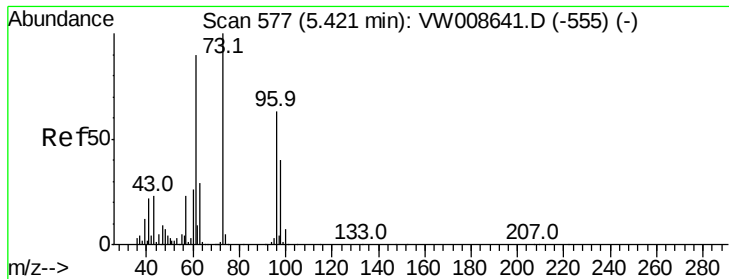
Tgt Ion: 43 Resp: 42110

Ion Ratio Lower Upper

43 100

74 24.6 19.0 28.4





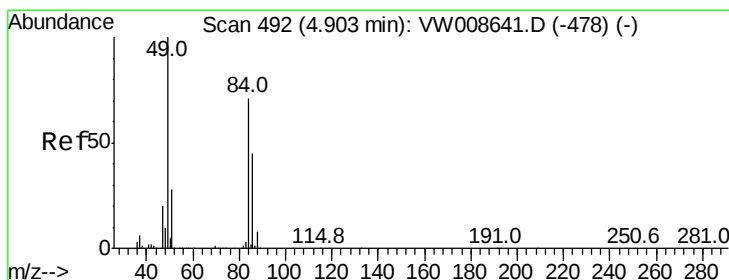
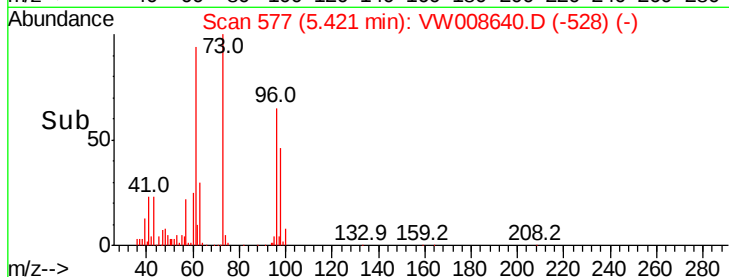
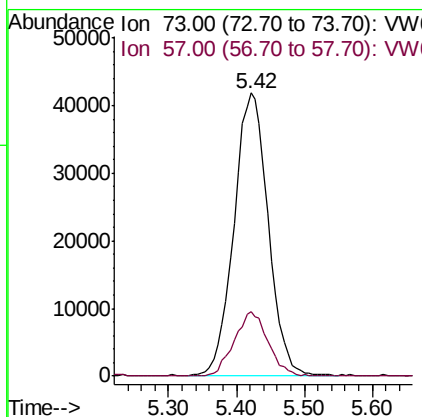
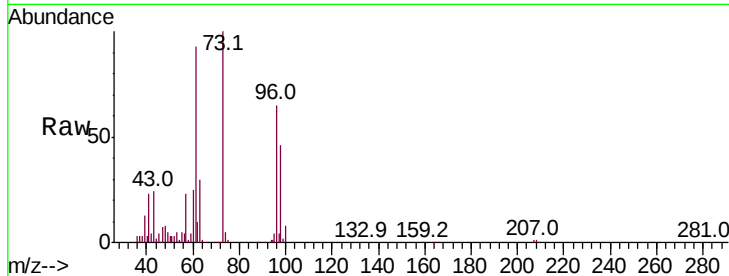
#19
Methyl tert-butyl Ether
Concen: 20.257 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 146692
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

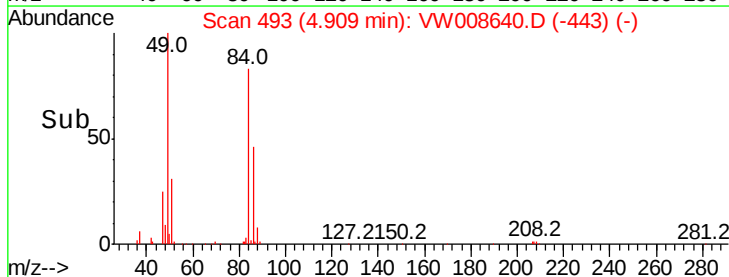
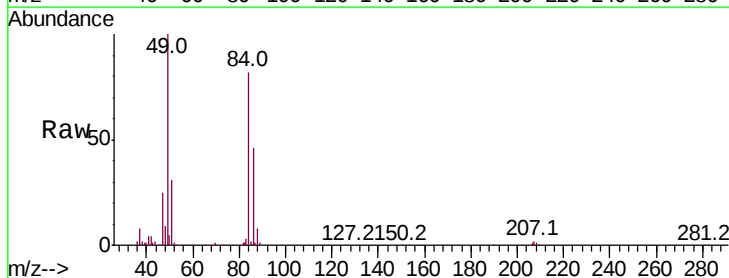
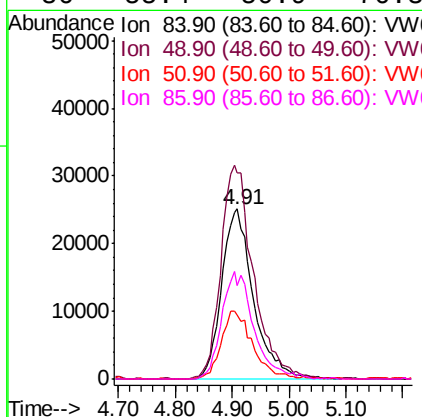
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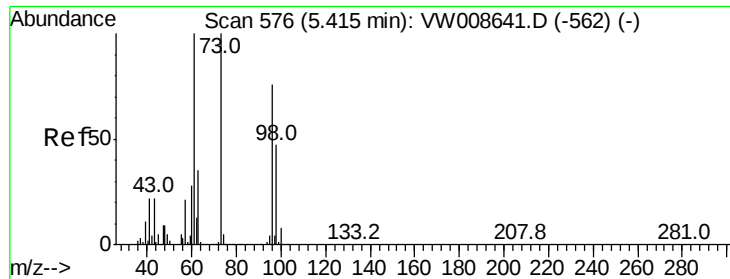
MMDadoda
2/14/2019 2:08:54 PM



#20
Methylene Chloride
Concen: 17.041 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion: 84 Resp: 97482
Ion Ratio Lower Upper
84 100
49 121.1 113.3 169.9
51 37.8 32.1 48.1
86 55.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.225 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 91371

Ion Ratio Lower Upper

96 100

61 135.3 105.9 158.9

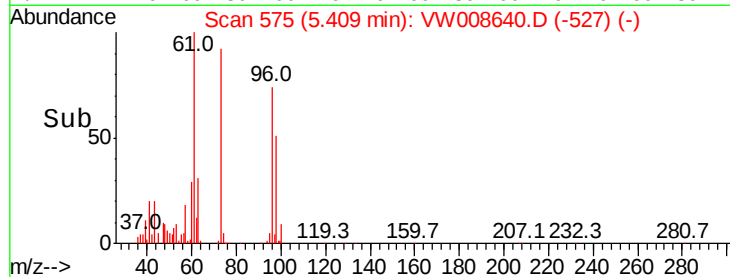
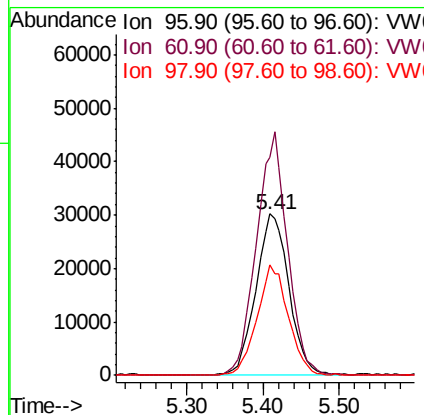
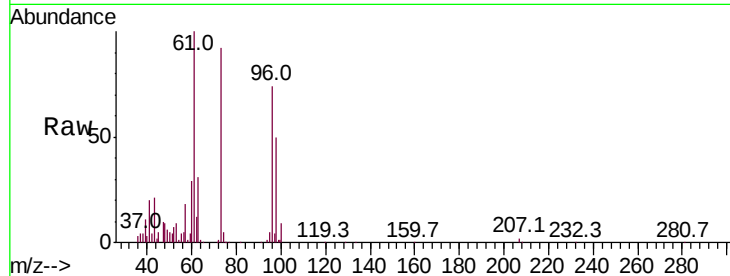
98 68.0 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.073 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion: 45 Resp: 276885

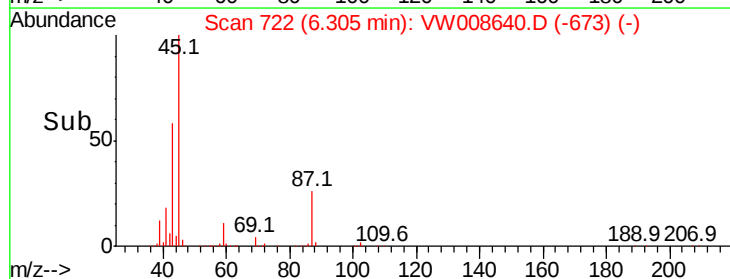
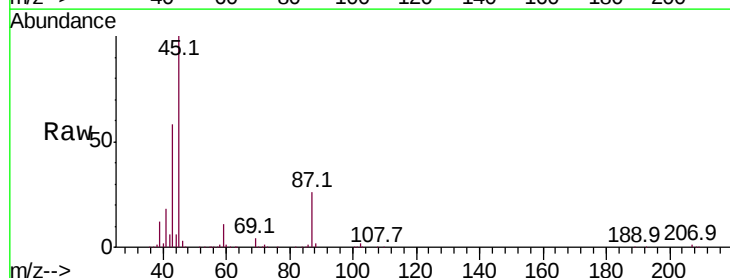
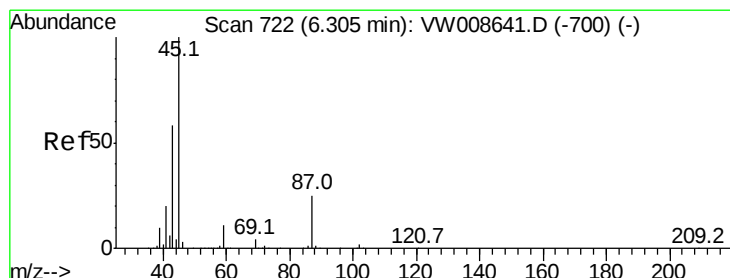
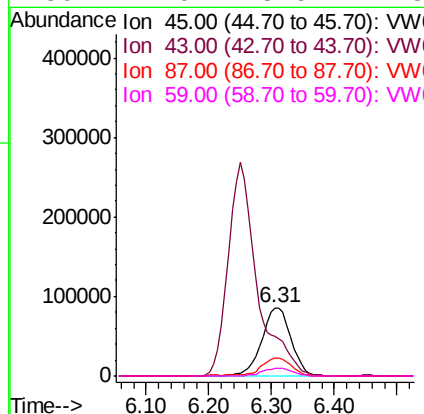
Ion Ratio Lower Upper

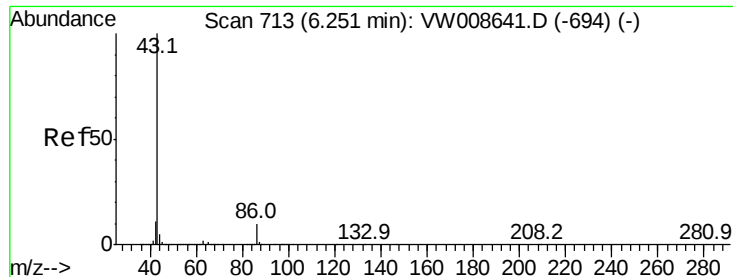
45 100

43 57.4 46.1 69.1

87 25.5 20.5 30.7

59 11.0 8.6 12.8





#23

Vinyl Acetate

Concen: 96.728 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 865978

Ion Ratio Lower Upper

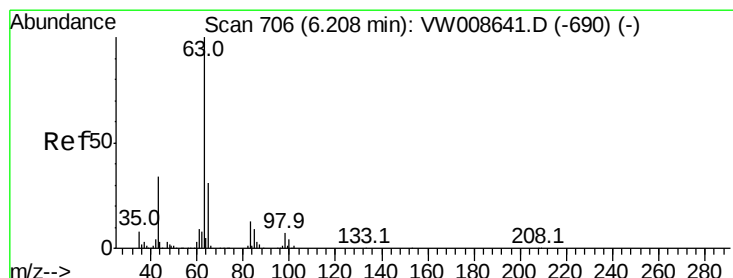
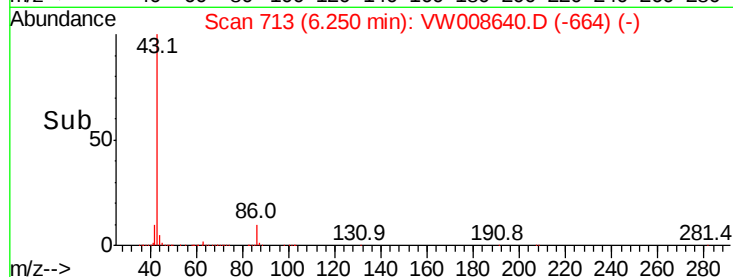
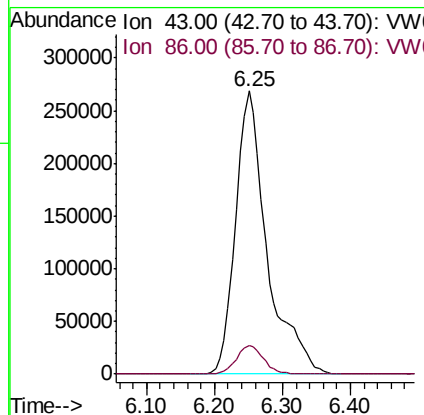
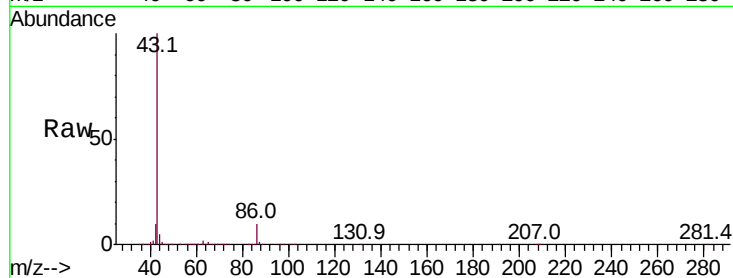
43 100

86 10.0 7.9 11.9

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.177 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

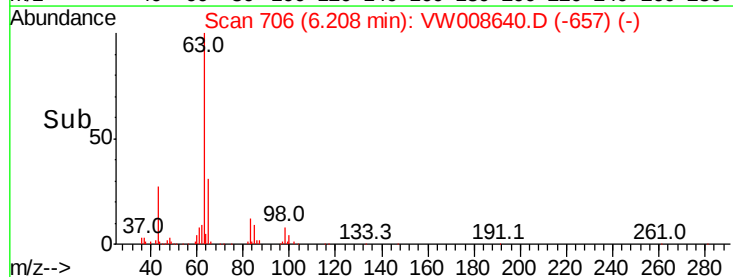
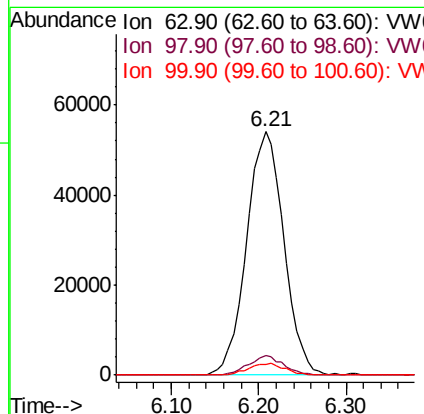
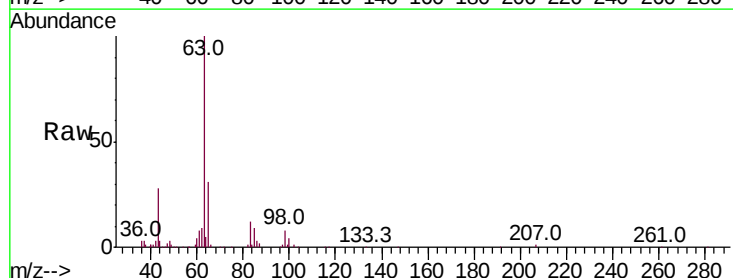
Tgt Ion: 63 Resp: 160603

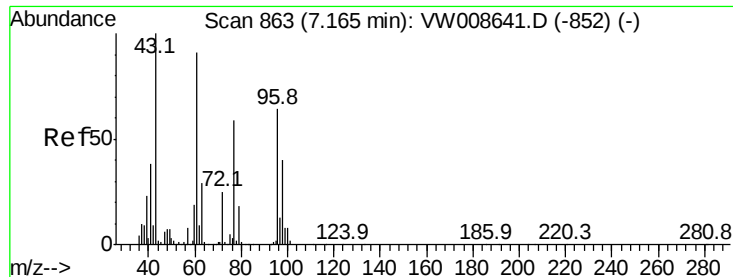
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.8

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 95.233 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 134426

Ion Ratio Lower Upper

43 100

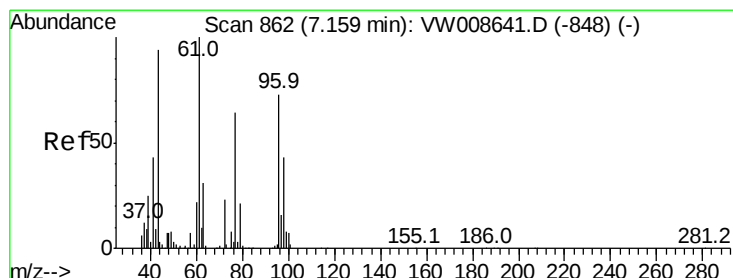
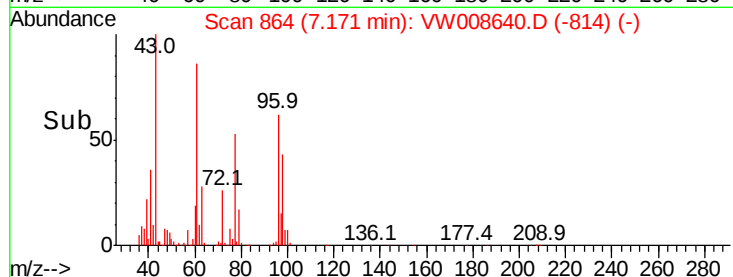
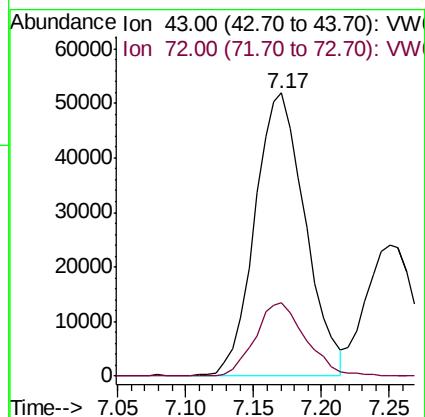
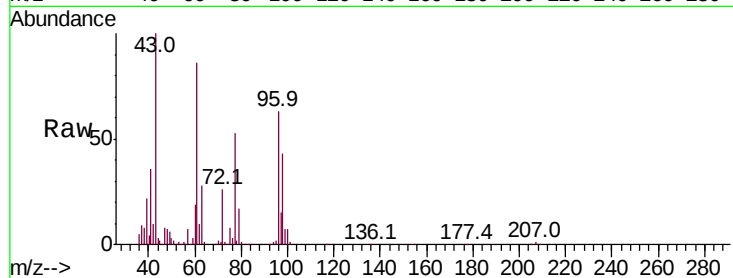
72 25.8 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.860 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW008640.D

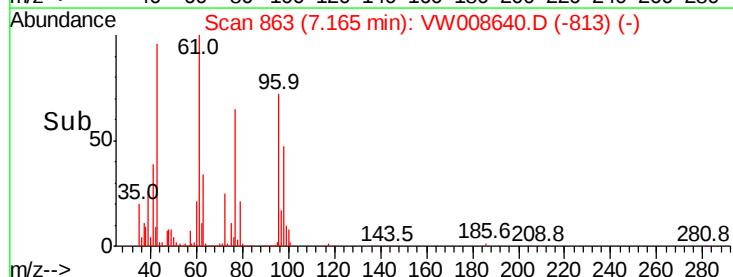
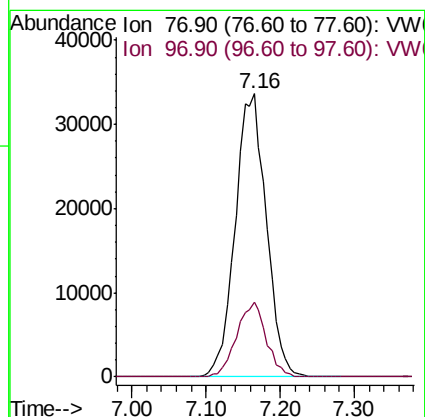
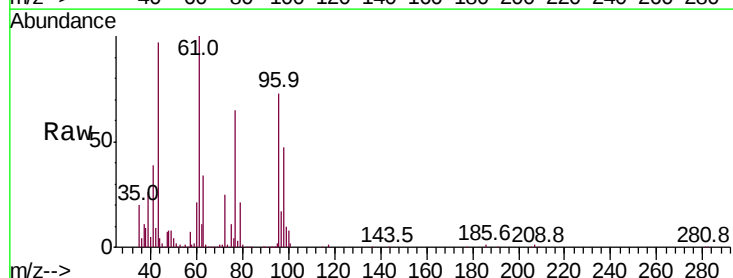
Acq: 13 Feb 2019 15:11

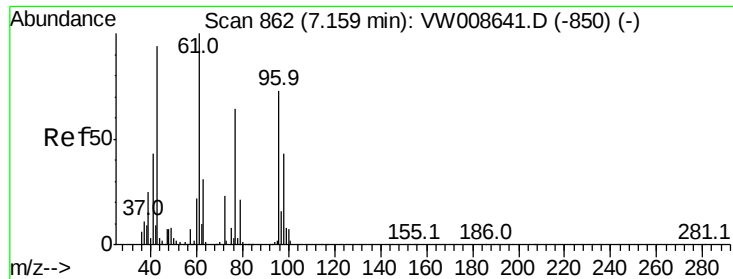
Tgt Ion: 77 Resp: 98753

Ion Ratio Lower Upper

77 100

97 25.1 11.7 35.0





#27

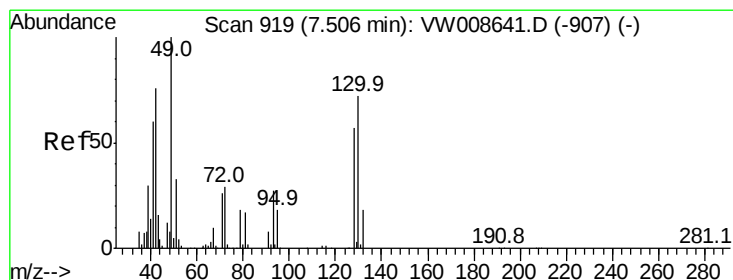
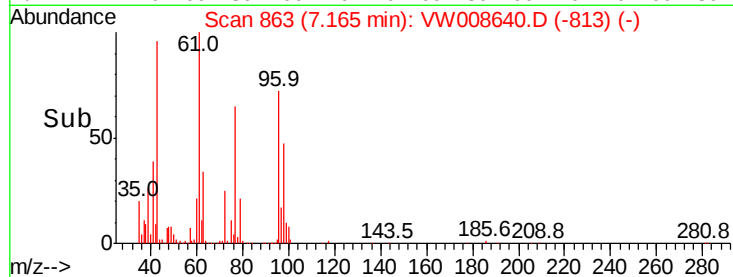
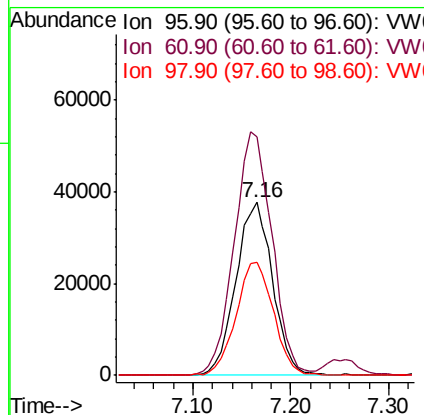
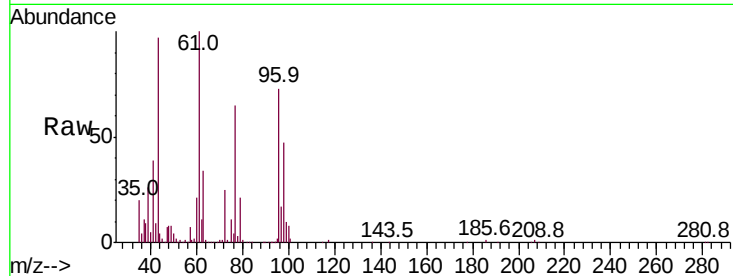
cis-1,2-Dichloroethene
Concen: 20.068 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.7	0.0	286.4	
98	66.4	0.0	125.0	

Manual Integrations
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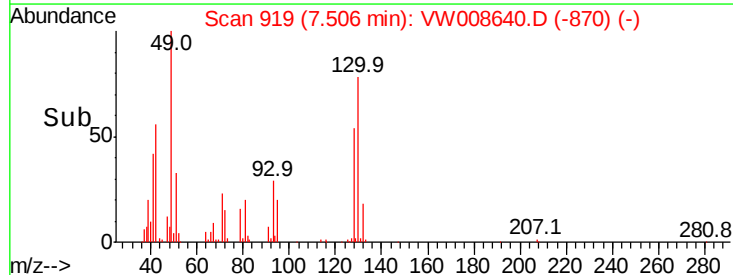
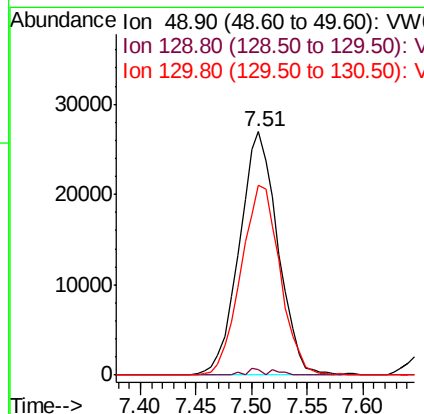
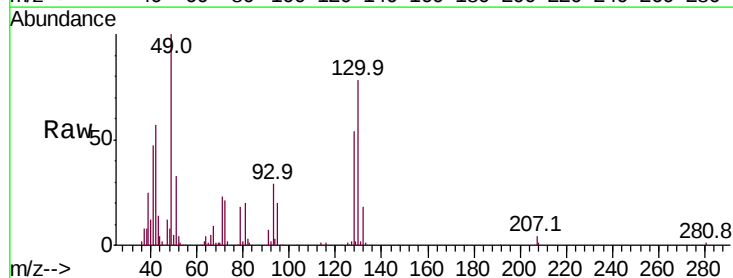
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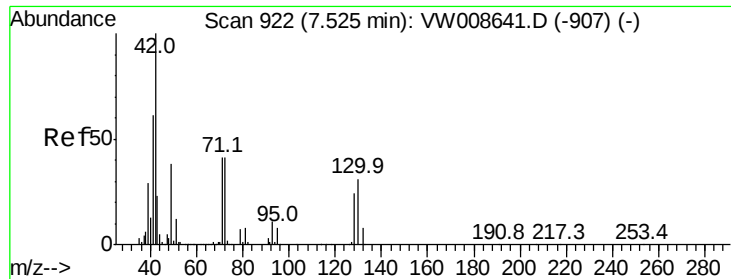


#28

Bromochloromethane
Concen: 19.297 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	3.2	
130	79.3	59.4	89.0	





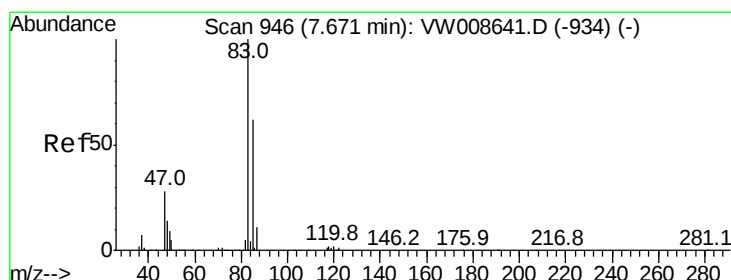
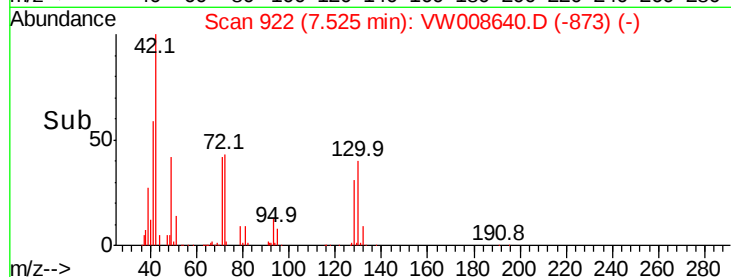
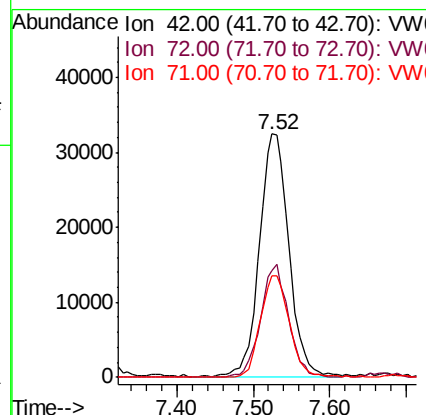
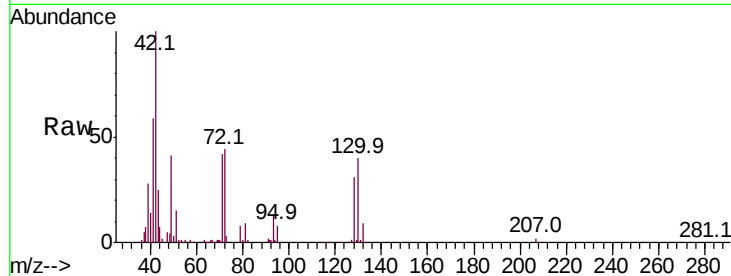
#29
Tetrahydrofuran
Concen: 93.841 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	32.2	48.2
71	41.2	31.0	46.6

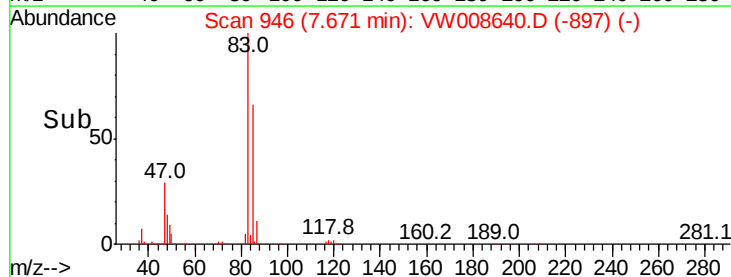
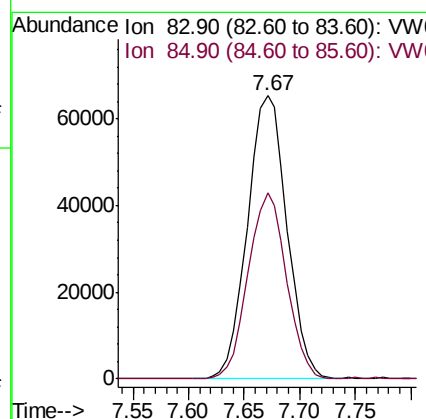
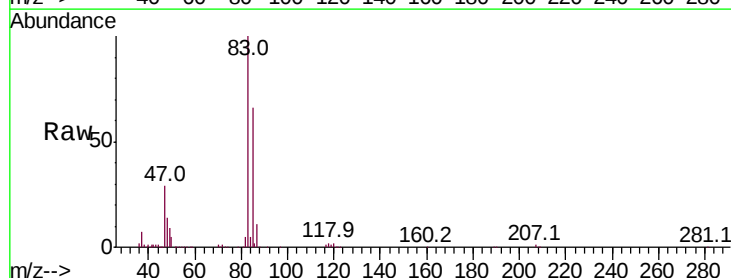
Manual Integrations
APPROVED

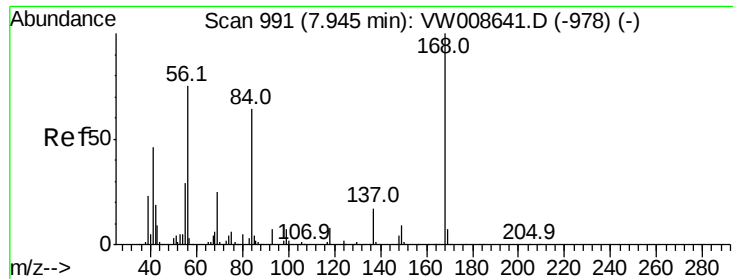
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#30
Chloroform
Concen: 20.162 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.8	74.8





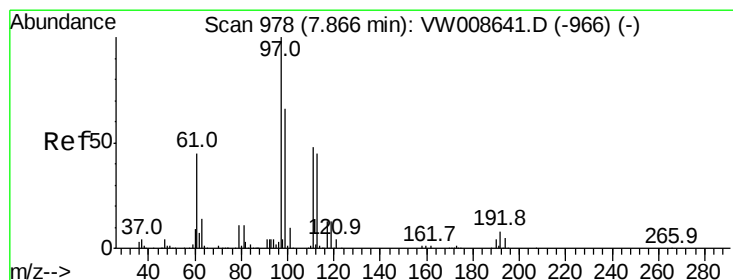
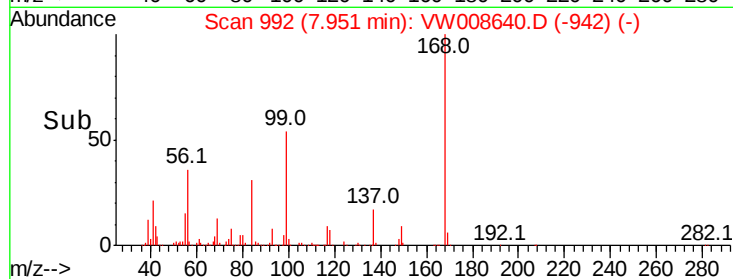
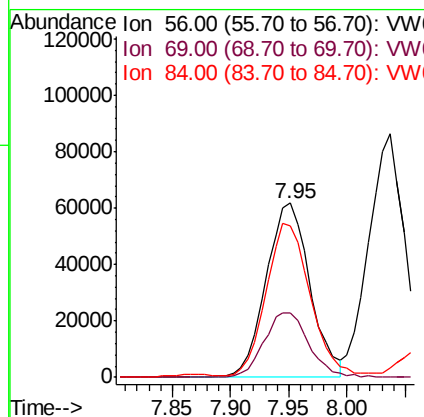
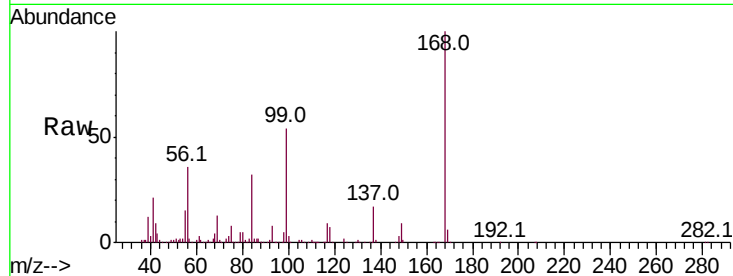
#31
Cvclohexane
Concen: 20.046 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.4	39.6
84	85.6	67.4	101.2

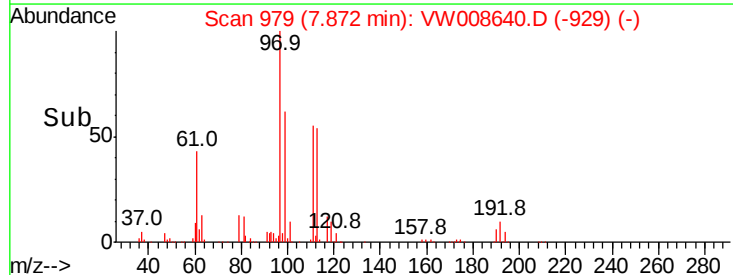
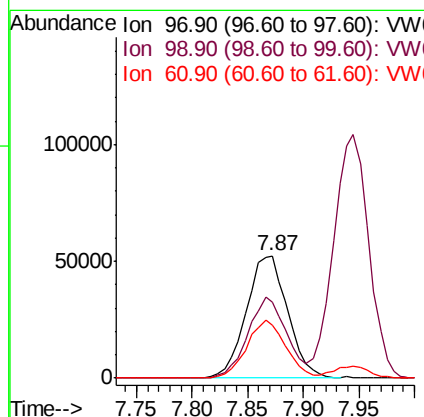
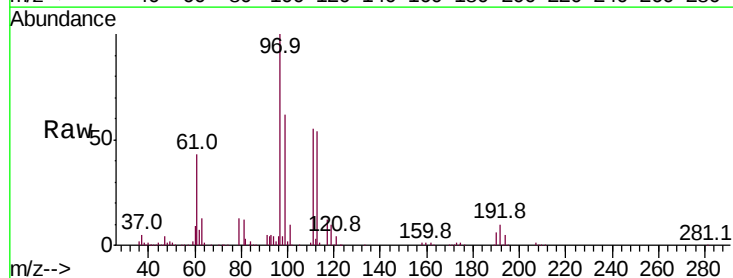
Manual Integrations
APPROVED

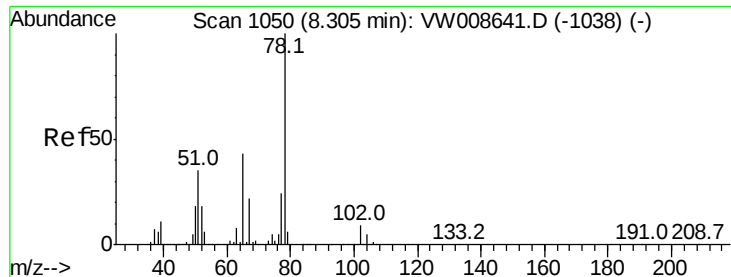
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#32
1,1,1-Trichloroethane
Concen: 20.072 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.6	77.4
61	45.1	35.8	53.6





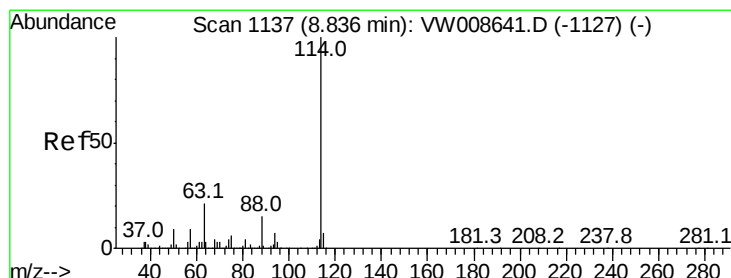
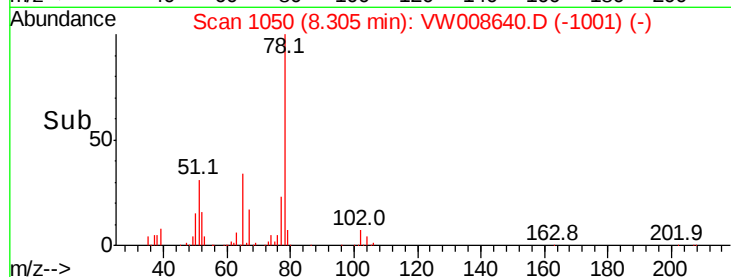
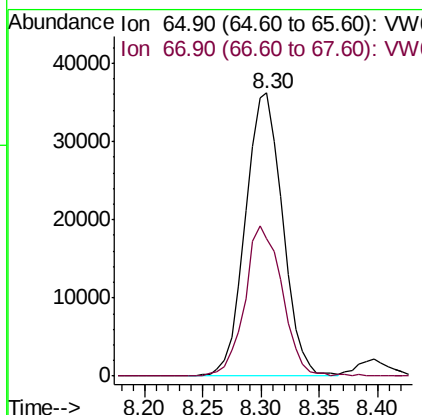
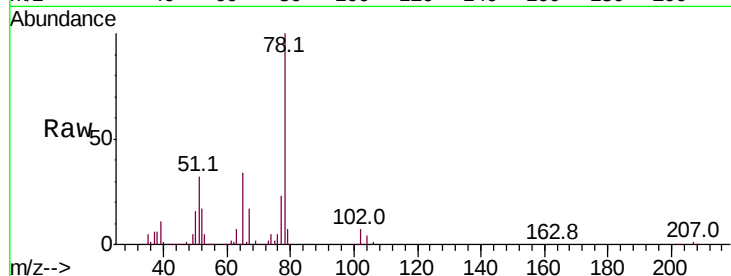
#33
 1,2-Dichloroethane-d4
 Concen: 18.318 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0

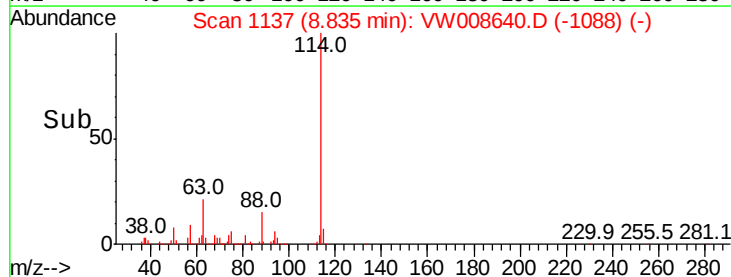
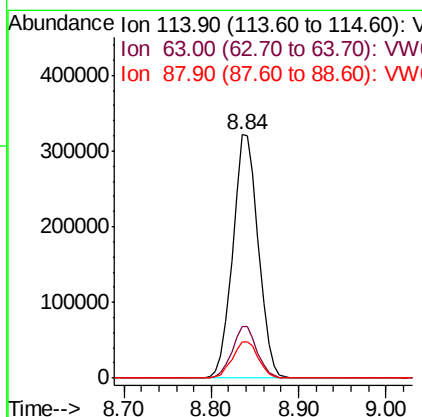
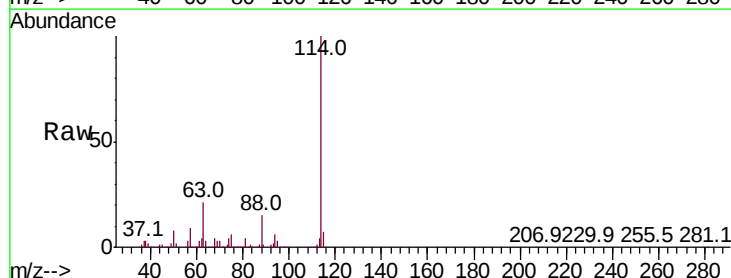
Manual Integrations
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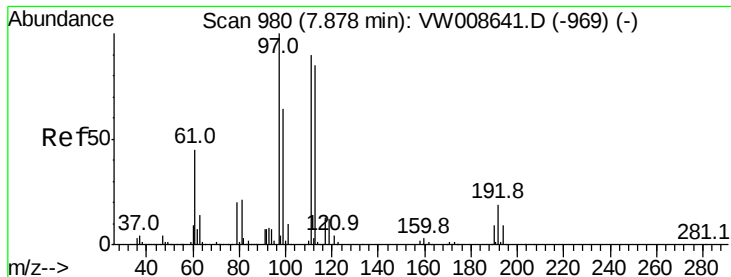
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.2
88	14.9	0.0	29.6





#35

Dibromofluoromethane

Concen: 19.021 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

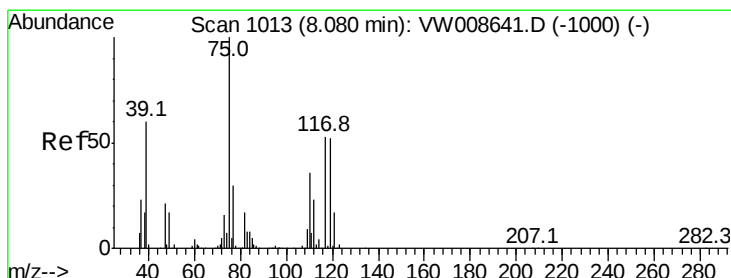
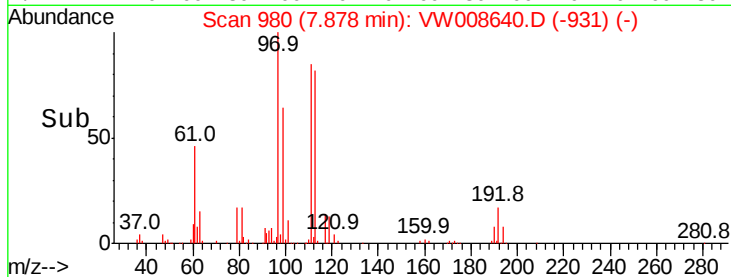
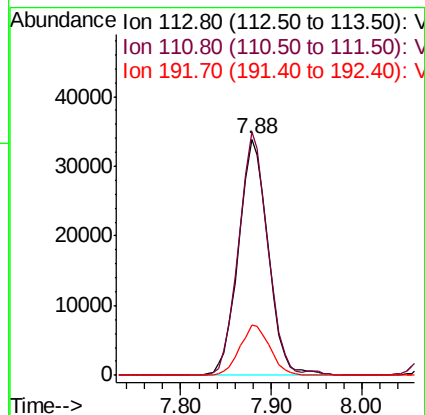
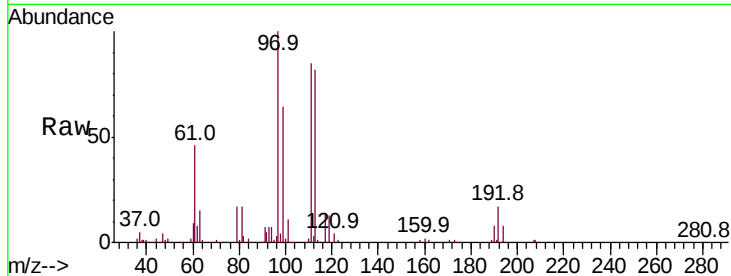
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	76956
Ion Ratio	Lower	Upper	
113	100		
111	100.6	84.0	126.0
192	21.5	17.4	26.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.227 ug/l

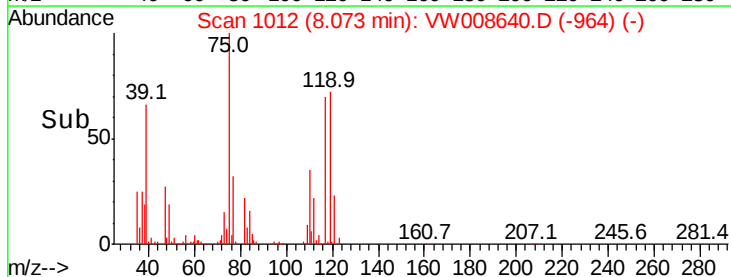
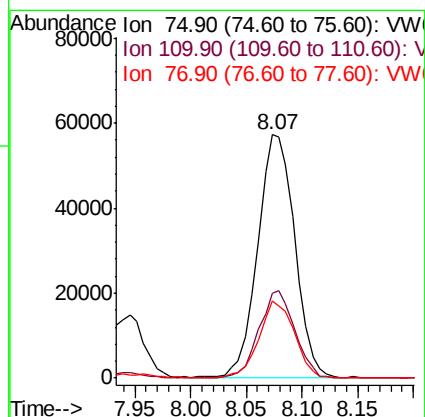
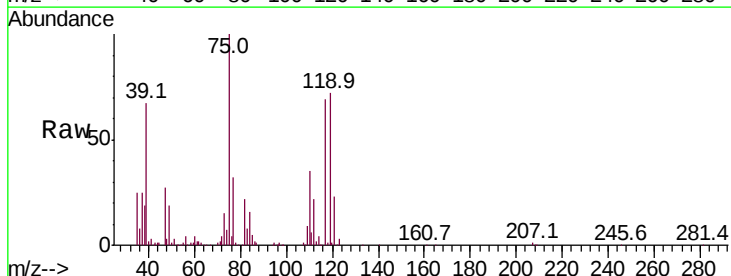
RT: 8.07 min Scan# 1012

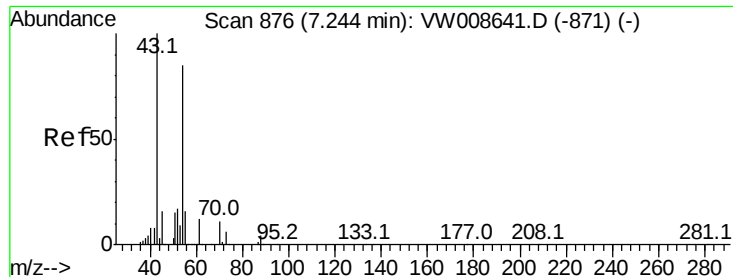
Delta R.T. -0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion:	75	Resp:	132411
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.8	53.3
77	30.9	24.7	37.1





#37

Ethyl Acetate

Concen: 20.081 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.01 min

Lab File: VW008640.D

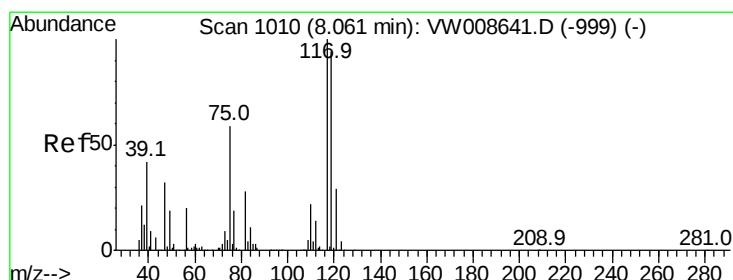
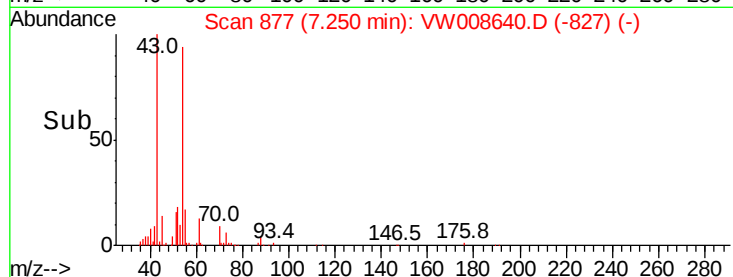
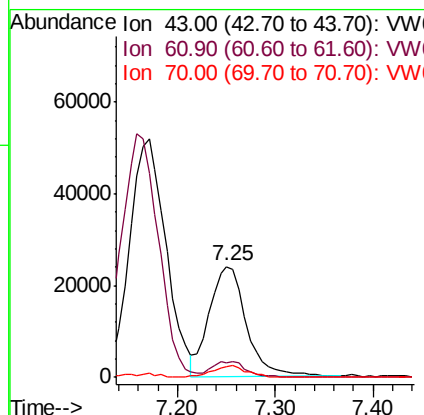
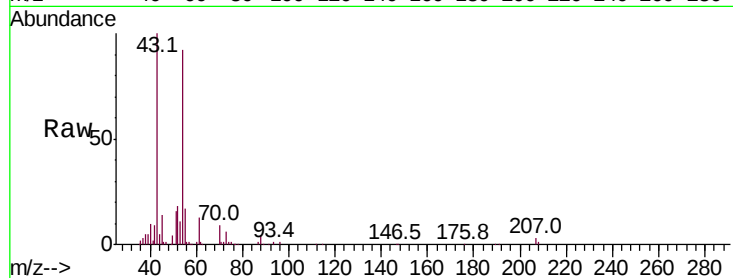
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	9.8	8.1	12.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.139 ug/l

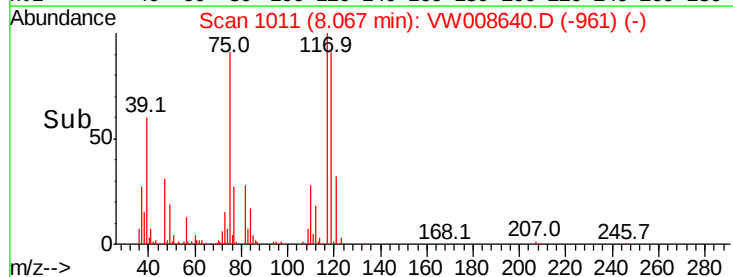
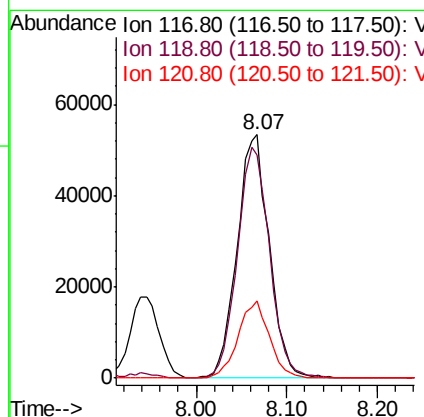
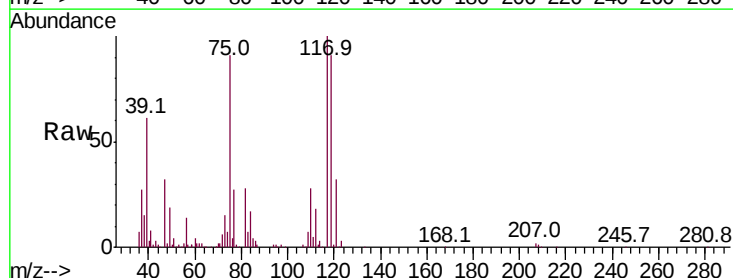
RT: 8.07 min Scan# 1011

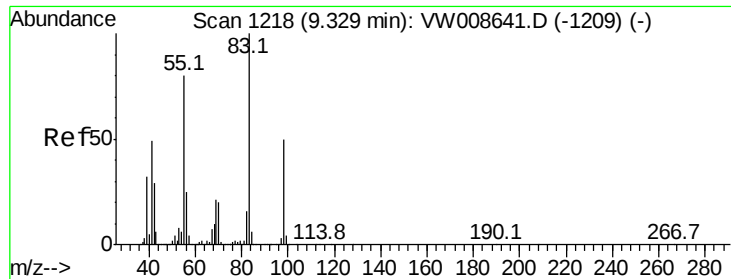
Delta R.T. 0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.1	112.7
121	31.6	23.5	35.3





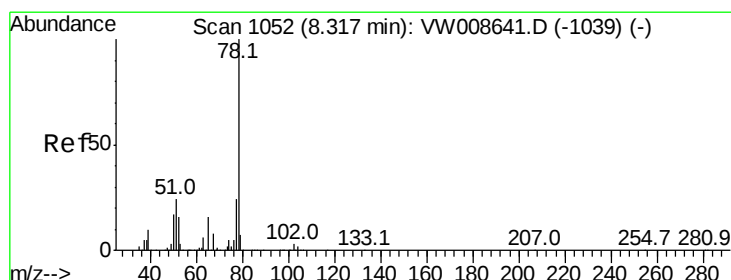
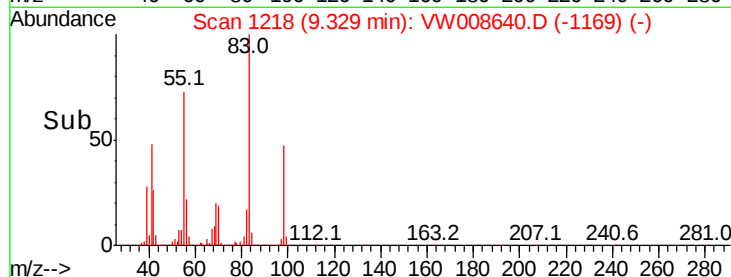
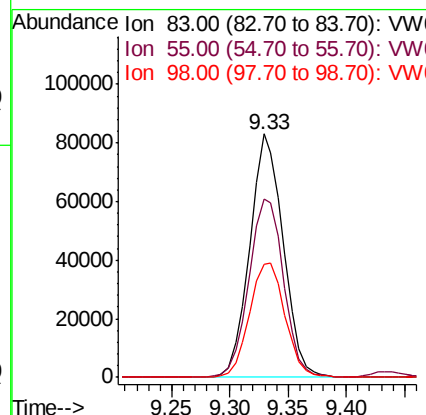
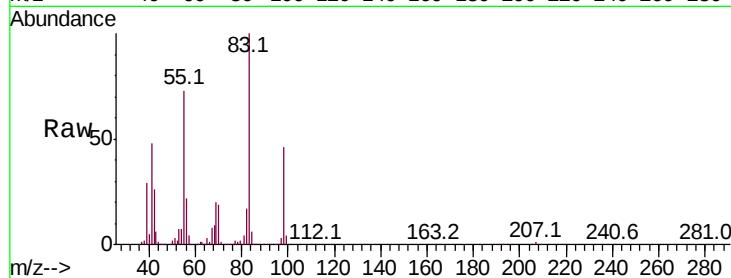
#39
Methvlcvclohexane
Concen: 20.082 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	63.9	95.9
98	46.5	40.2	60.2

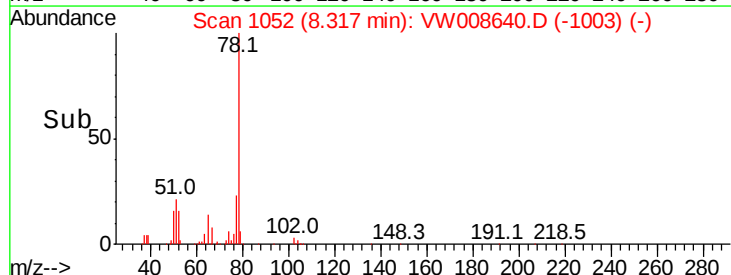
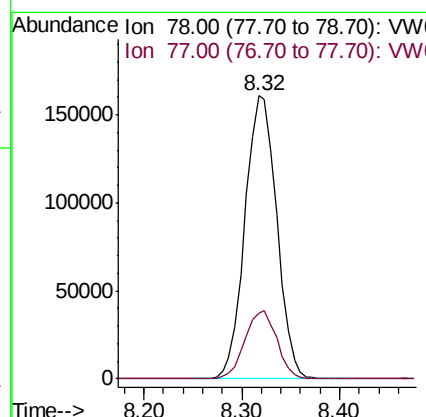
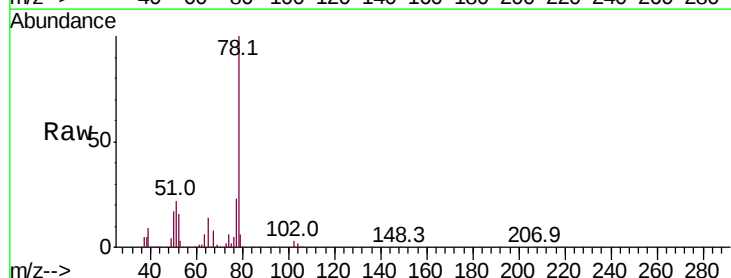
Manual Integrations
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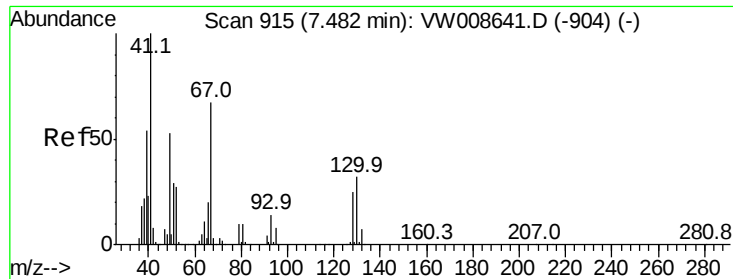
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#40
Benzene
Concen: 20.302 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.5	29.3





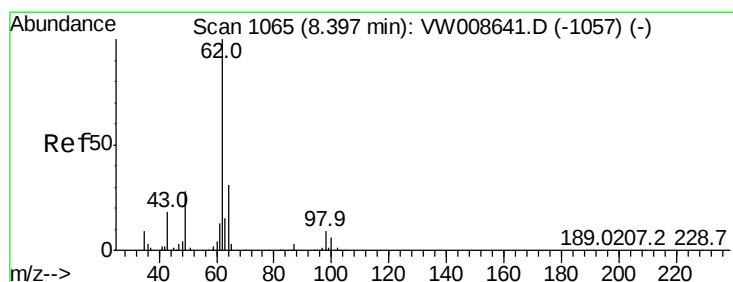
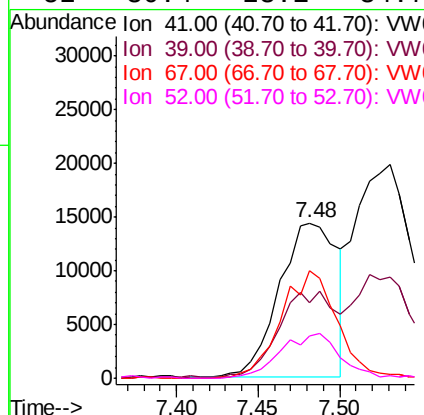
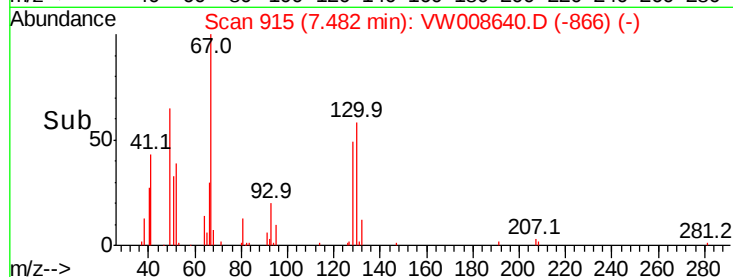
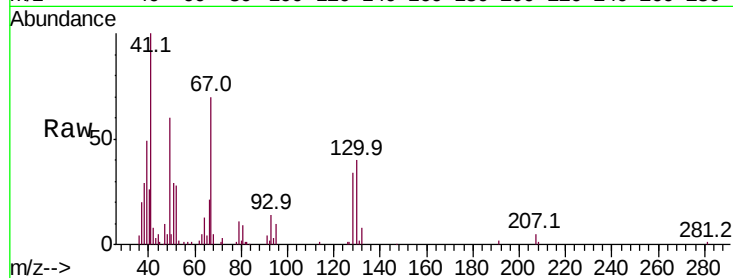
#41
Methacrylonitrile
Concen: 20.006 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	39.7	59.5
67	67.4	52.5	78.7
52	30.4	23.1	34.7

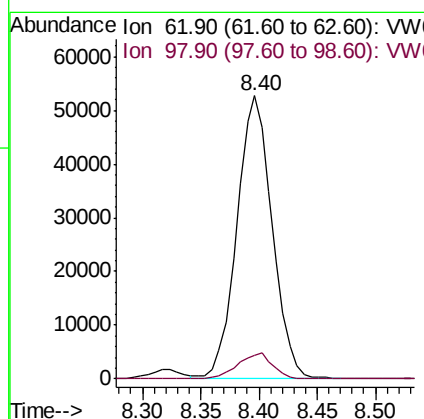
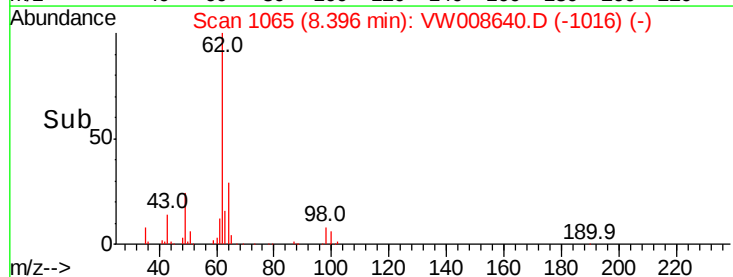
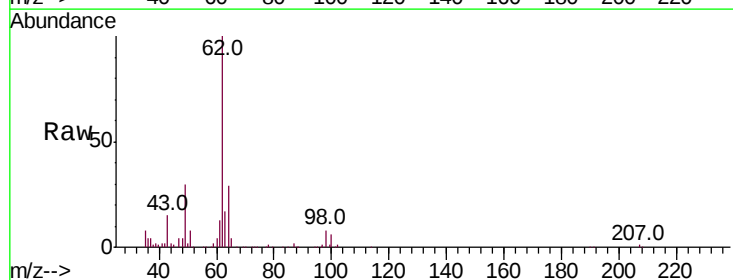
Manual Integrations
APPROVED

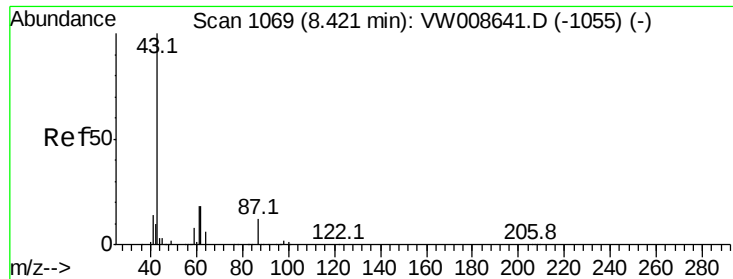
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.991 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

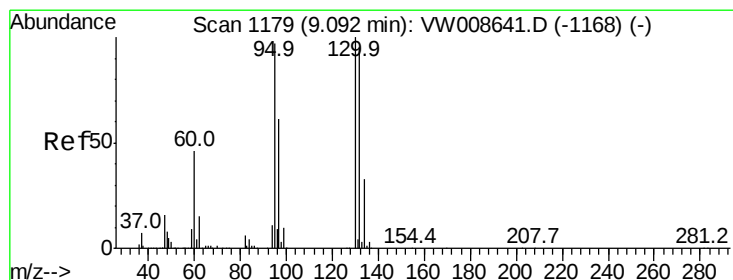
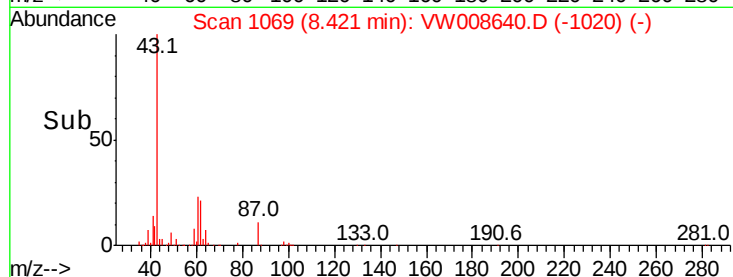
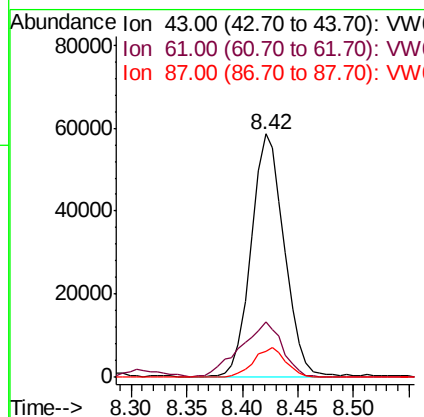
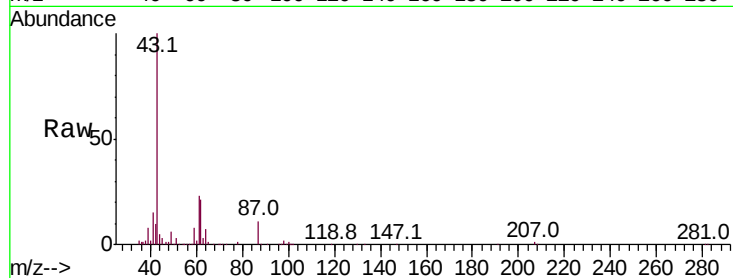
Isopropyl Acetate
 Concen: 19.317 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	21.4	32.2
87	12.1	9.8	14.8

Manual Integrations
 APPROVED

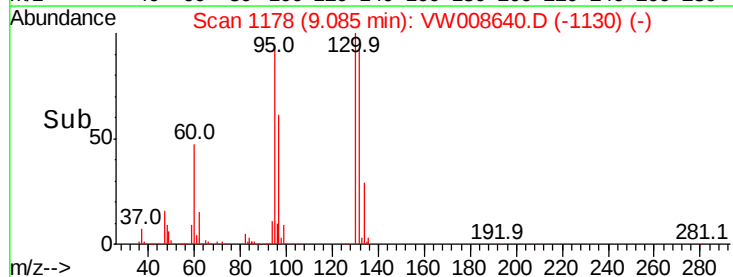
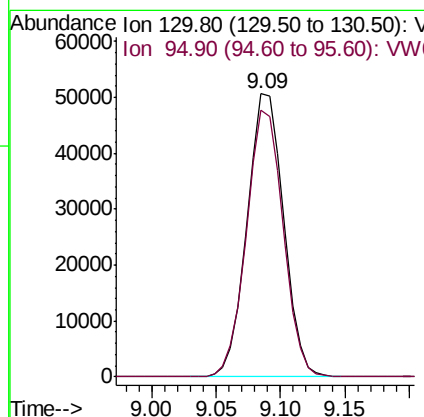
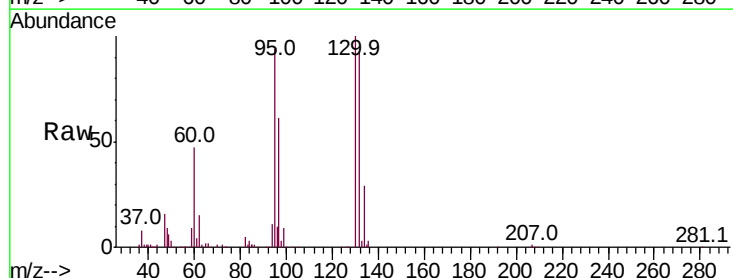
MMDadoda
 2/14/2019 2:08:54 PM

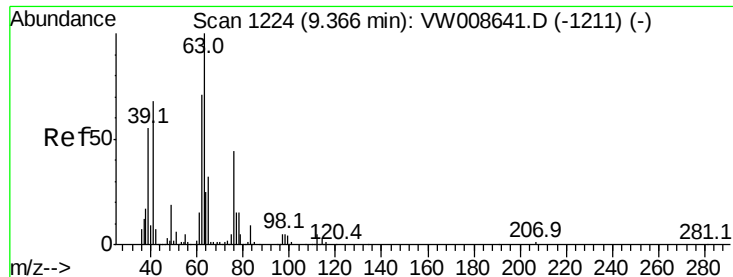


#44

Trichloroethene
 Concen: 20.060 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	193.4





#45

1,2-Dichloropropane

Concen: 19.732 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 87303

Ion Ratio Lower Upper

63 100

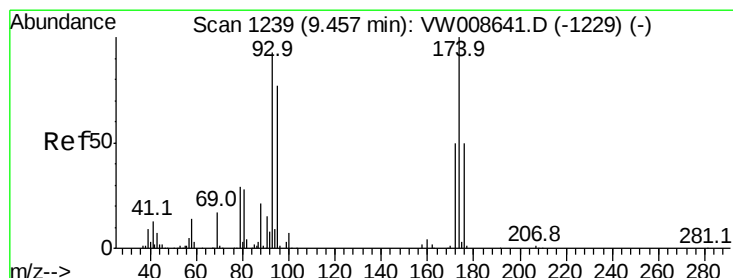
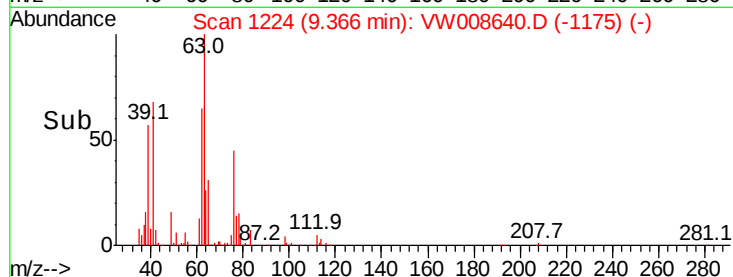
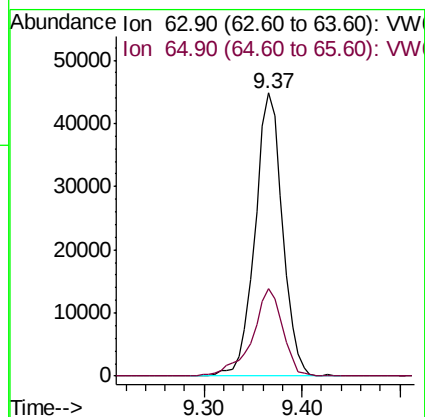
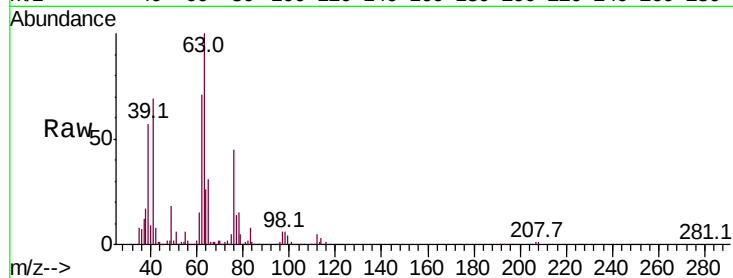
65 31.1 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.412 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

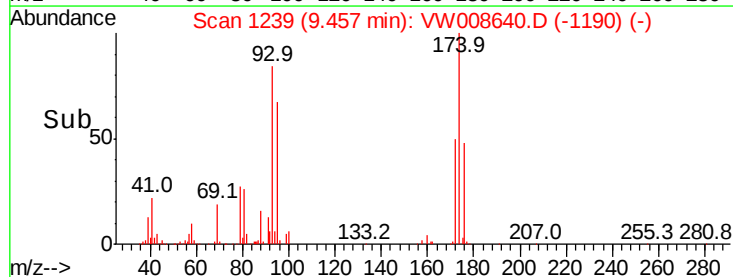
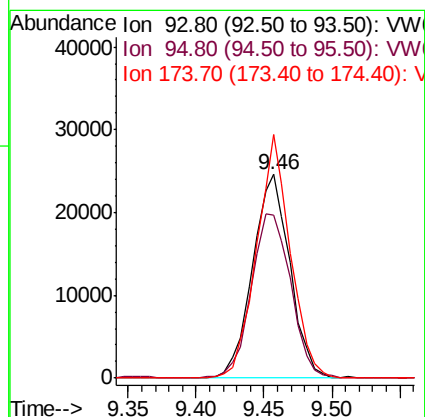
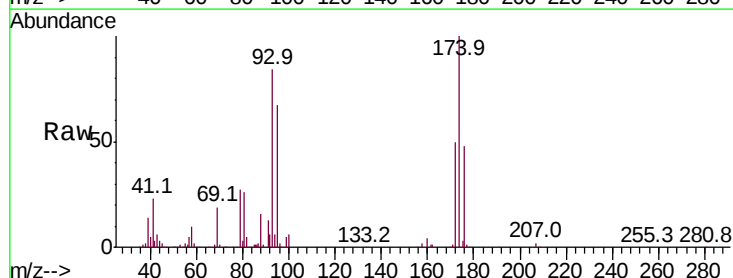
Tgt Ion: 93 Resp: 47314

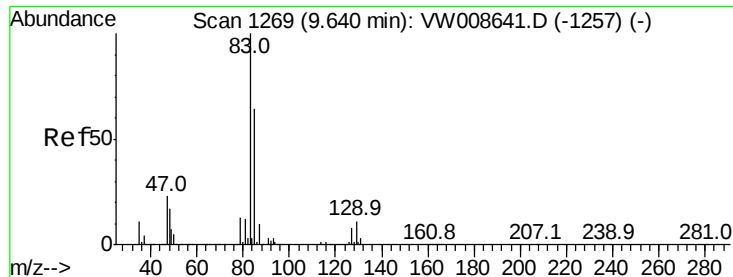
Ion Ratio Lower Upper

93 100

95 85.4 65.8 98.8

174 108.2 82.5 123.7





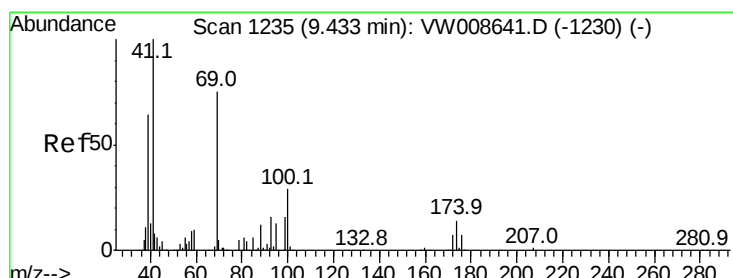
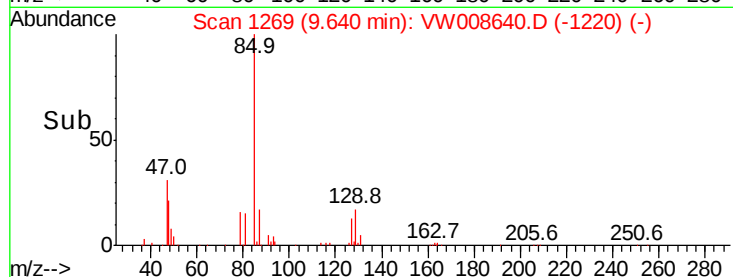
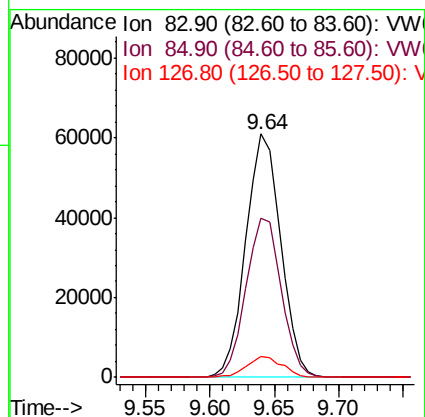
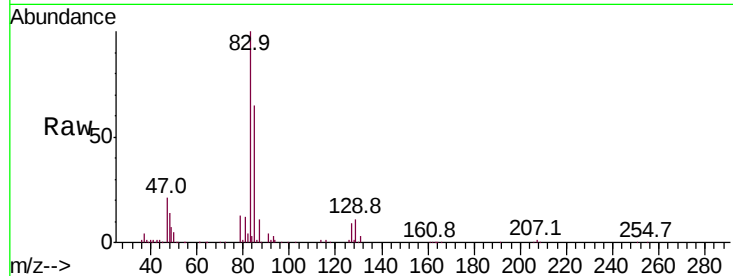
#47
Bromodichloromethane
Concen: 19.553 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	114531		
85	65.3	51.2	76.8	
127	8.5	6.4	9.6	

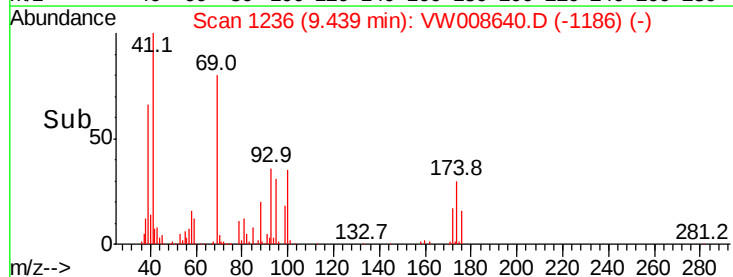
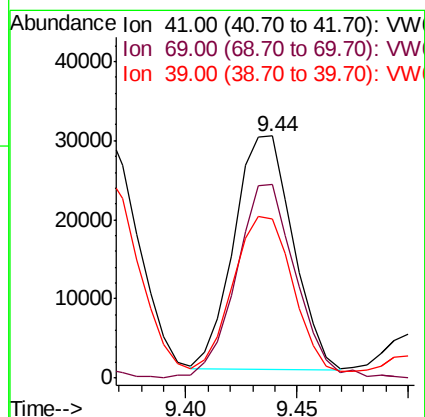
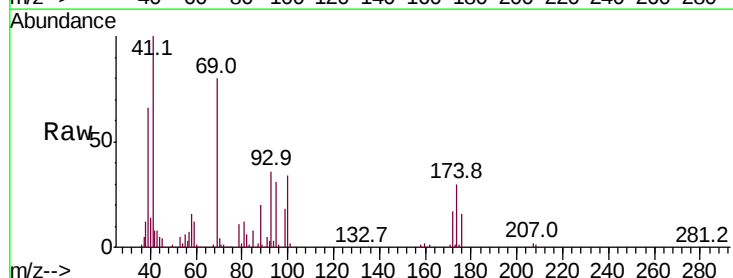
Manual Integrations
APPROVED

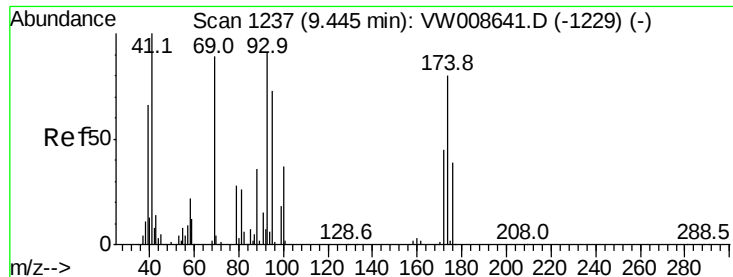
MMDadoda
2/14/2019 2:08:54 PM



#48
Methyl methacrylate
Concen: 18.623 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	54342		
69	84.3	64.1	96.1	
39	67.0	52.3	78.5	





#49

1,4-Dioxane

Concen: 389.975 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

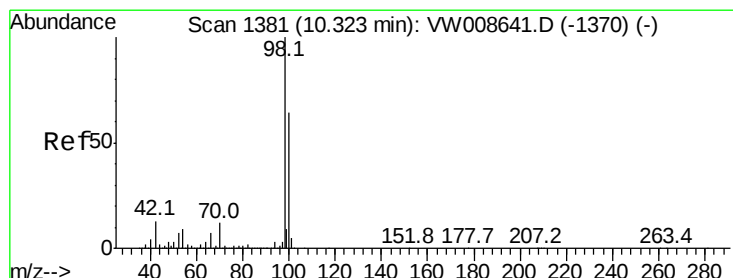
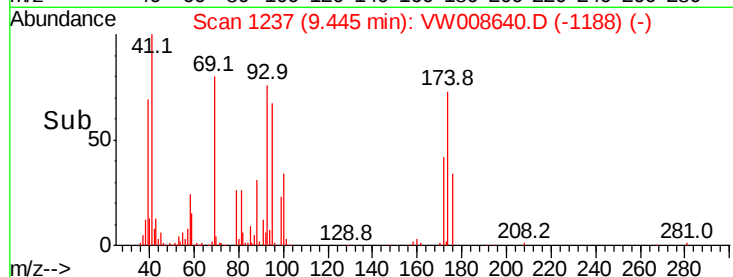
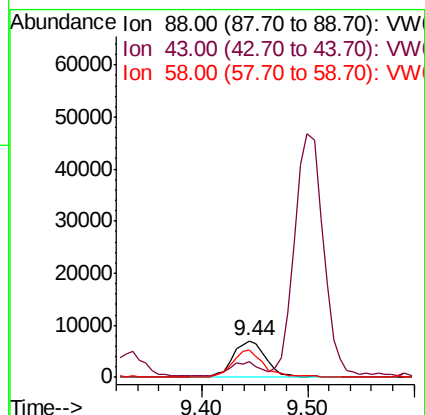
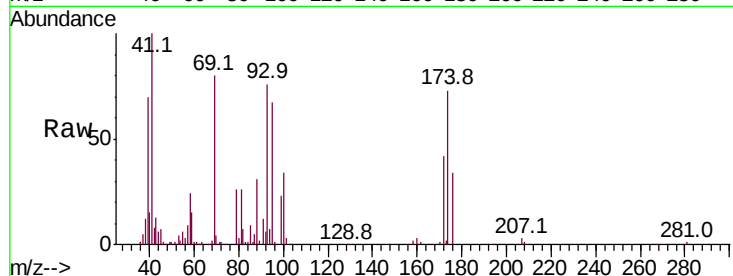
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	15172
Ion Ratio	Lower	Upper	
88	100		
43	35.2	31.0	46.6
58	69.1	57.0	85.6

Manual Integrations
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#50

Toluene-d8

Concen: 18.458 ug/l

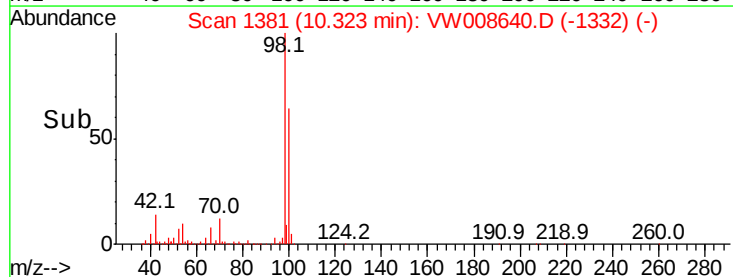
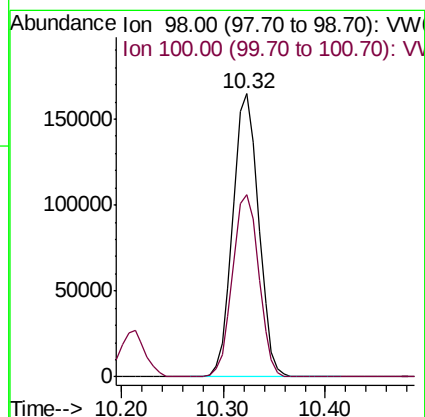
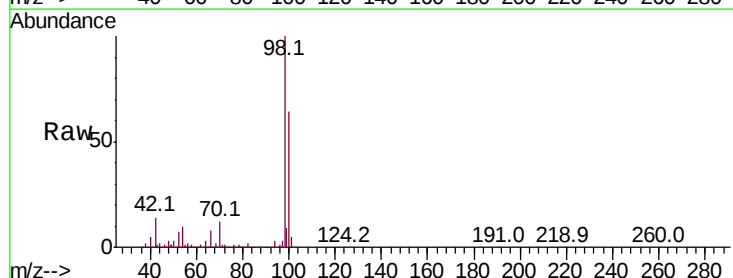
RT: 10.32 min Scan# 1381

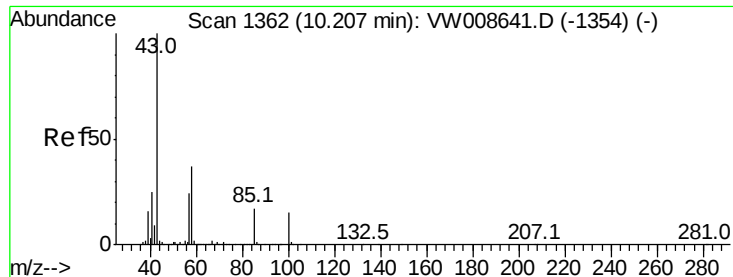
Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion:	98	Resp:	287871
Ion Ratio	Lower	Upper	
98	100		
100	65.9	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 94.482 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 305602

Ion Ratio Lower Upper

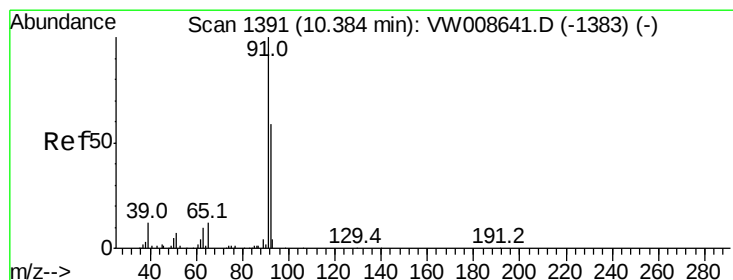
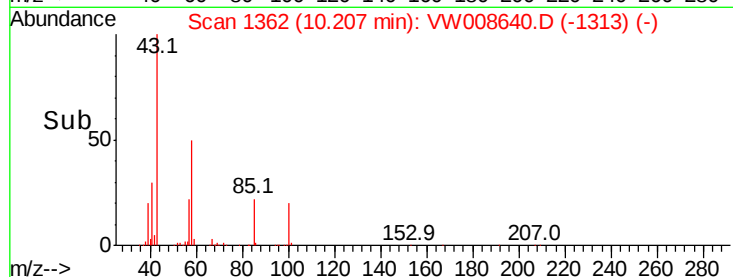
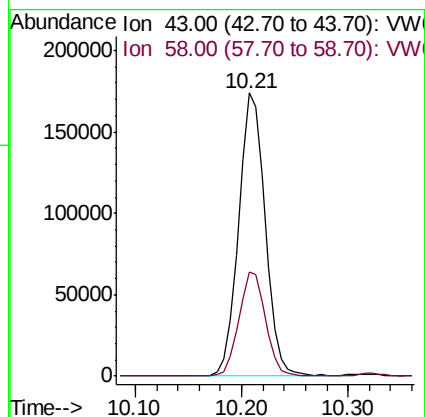
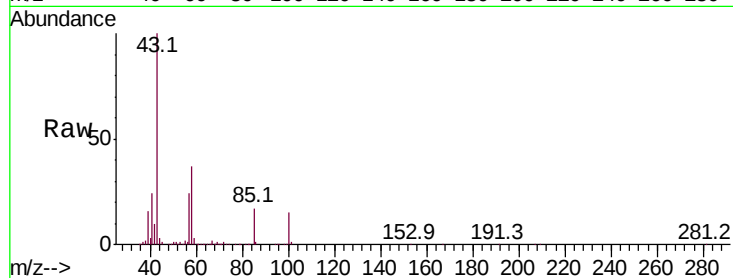
43 100

58 37.0 29.0 43.6

Manual Integrations
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#52

Toluene

Concen: 20.169 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008640.D

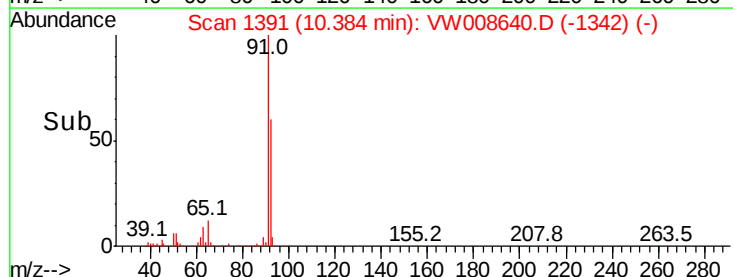
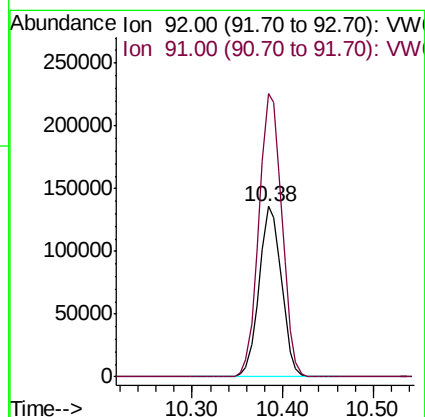
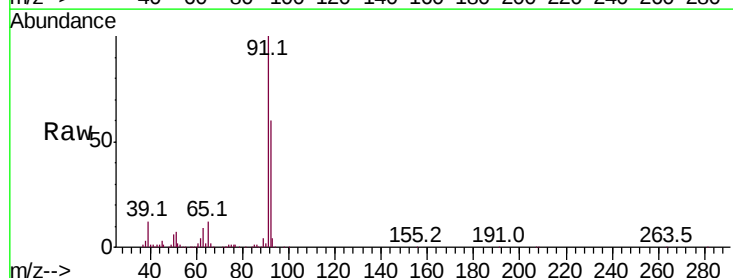
Acq: 13 Feb 2019 15:11

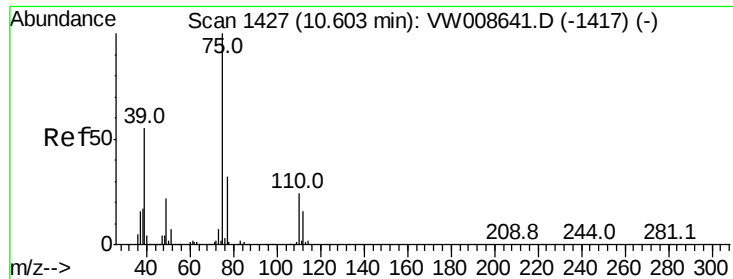
Tgt Ion: 92 Resp: 232618

Ion Ratio Lower Upper

92 100

91 170.6 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 19.477 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 119853

Ion Ratio Lower Upper

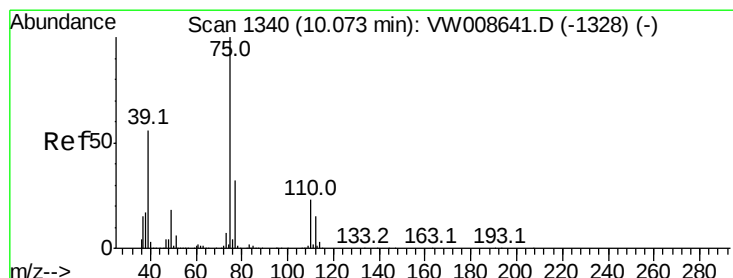
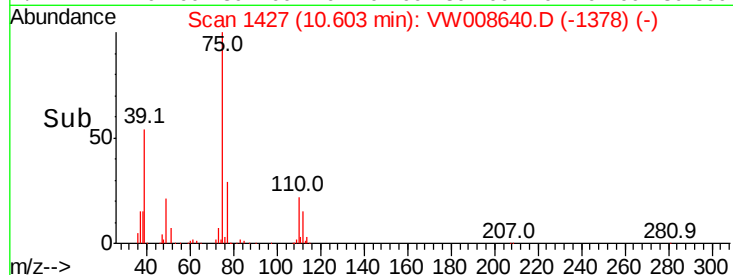
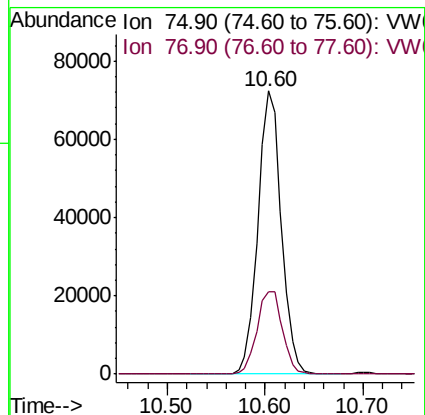
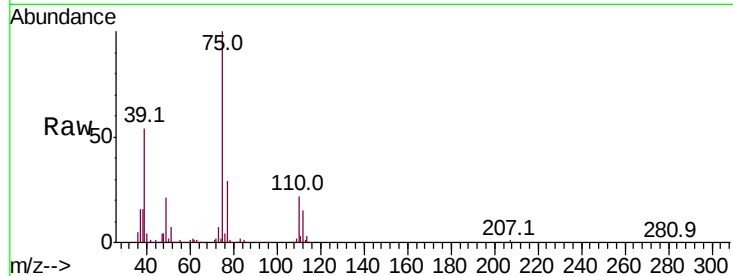
75 100

77 29.2 25.7 38.5

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.994 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

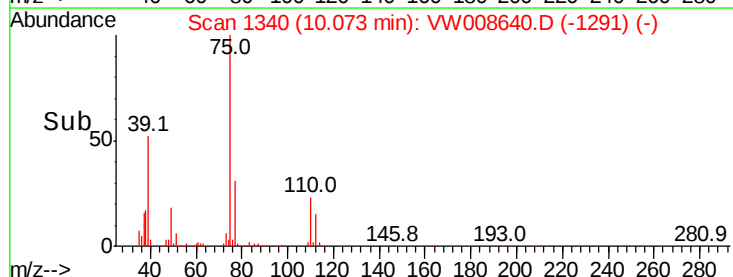
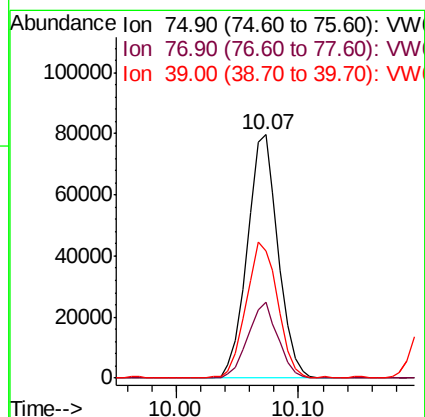
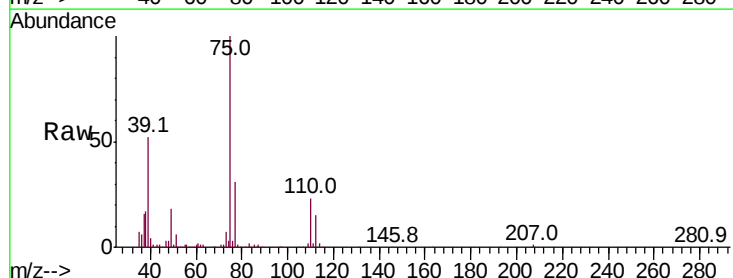
Tgt Ion: 75 Resp: 139474

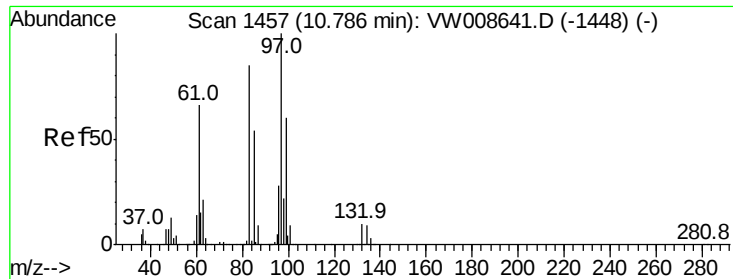
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 52.0 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 19.483 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

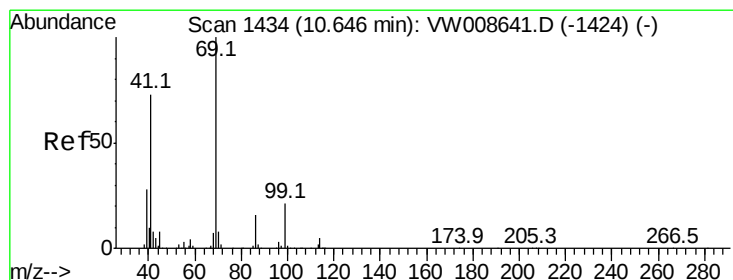
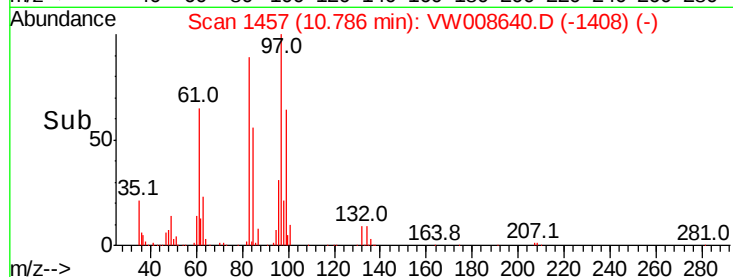
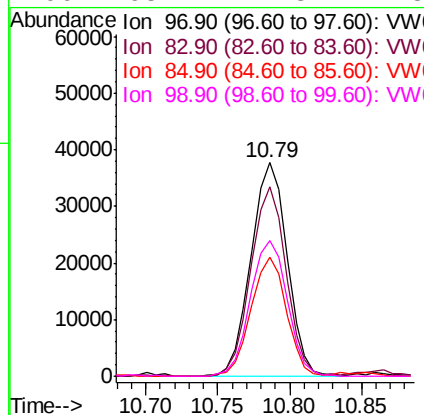
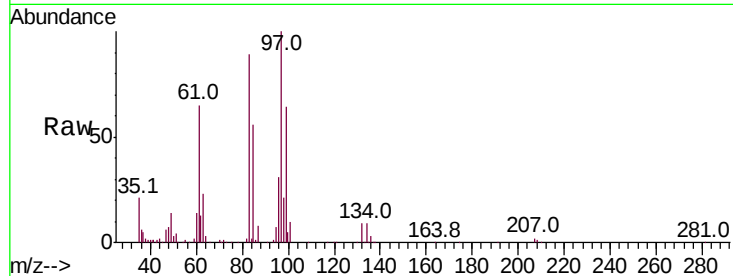
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		65155		
83	88.6	68.4	102.6		
85	55.9	43.1	64.7		
99	63.7	47.8	71.8		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.157 ug/l

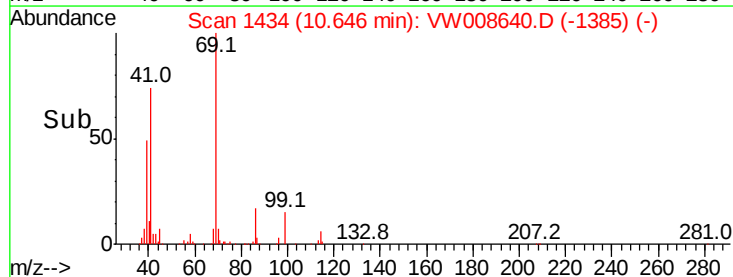
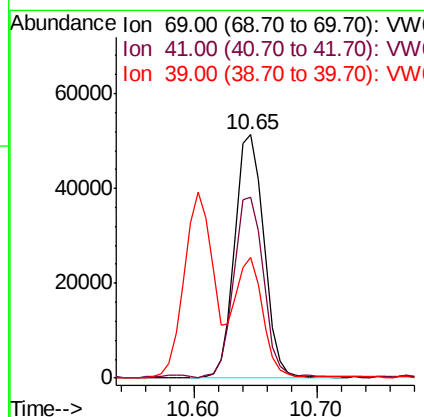
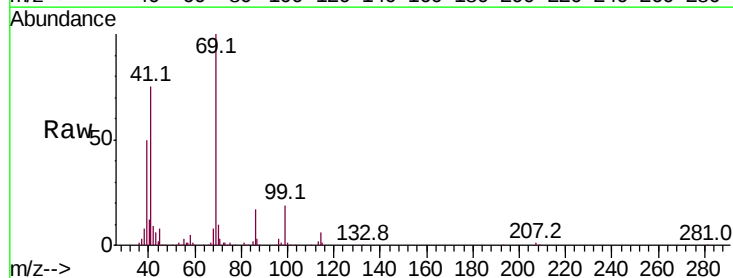
RT: 10.65 min Scan# 1434

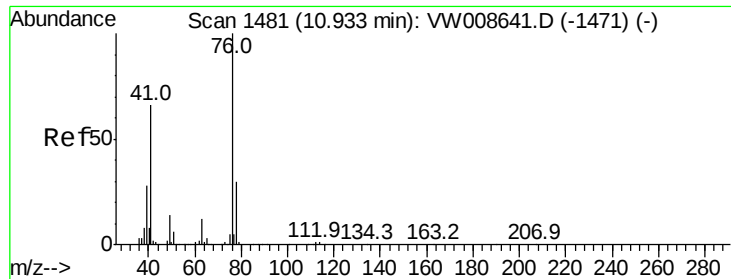
Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		85069		
41	74.7	59.0	88.4		
39	43.9	34.4	51.6		





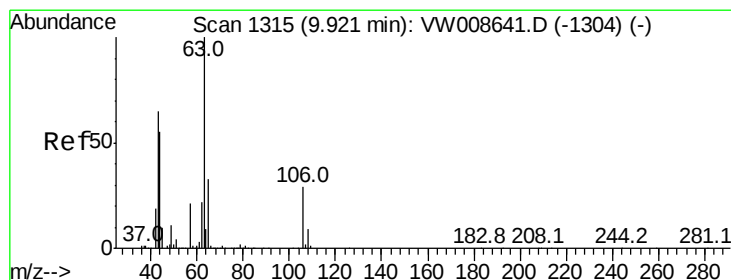
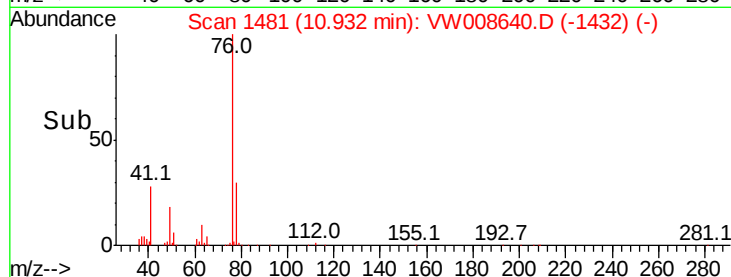
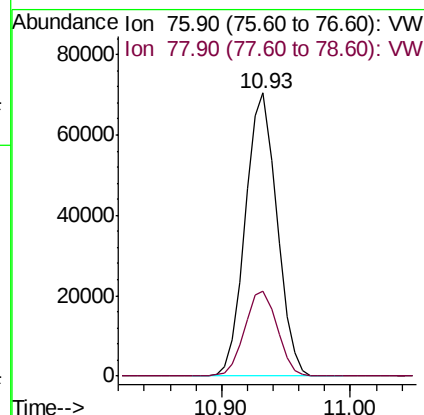
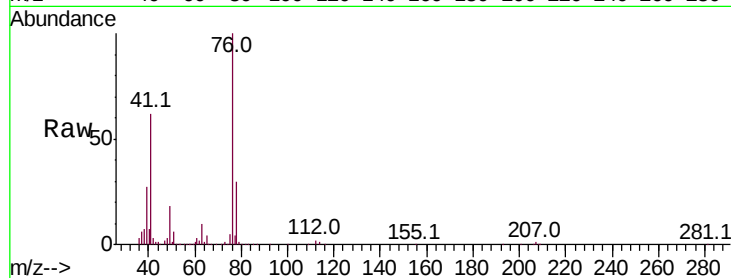
#57
 1,3-Dichloropropane
 Concen: 20.131 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 119449
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.4 38.0

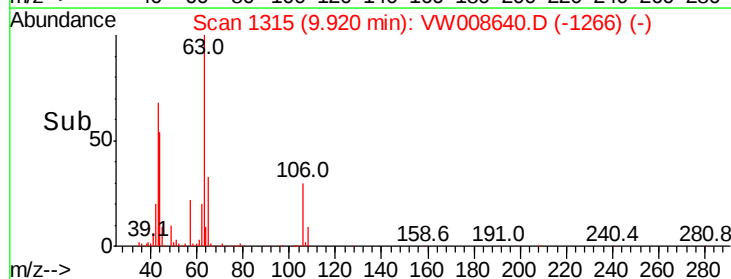
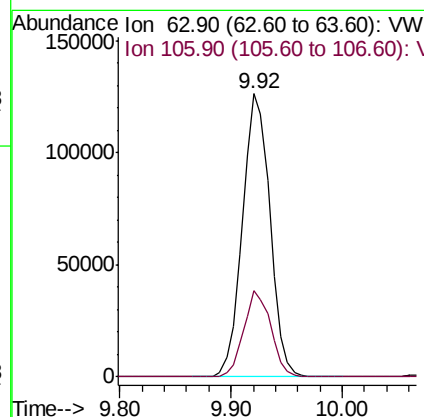
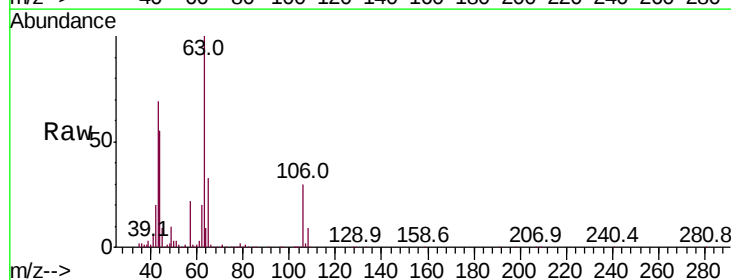
Manual Integrations
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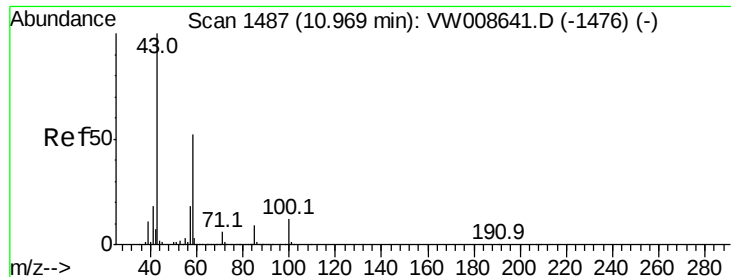
MMDadoda
 2/14/2019 2:08:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.526 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Tgt Ion: 63 Resp: 216276
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.4 35.2





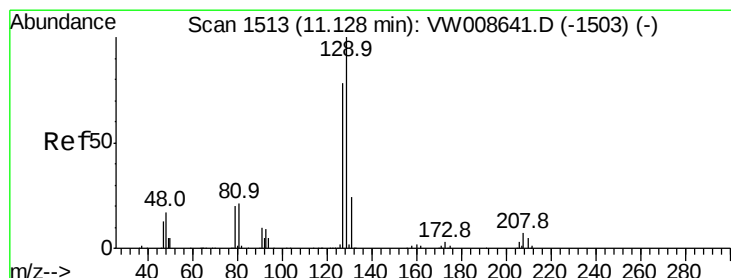
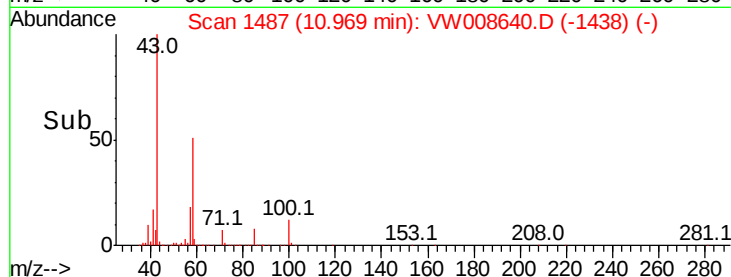
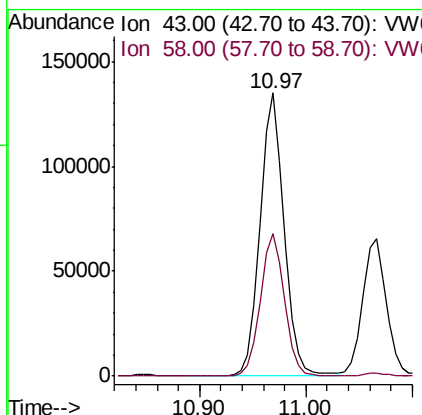
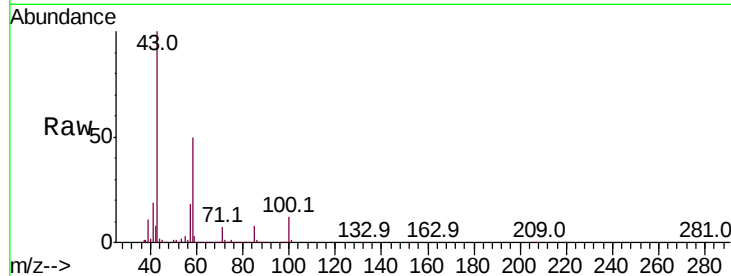
#59
2-Hexanone
Concen: 93.822 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.6	76.6

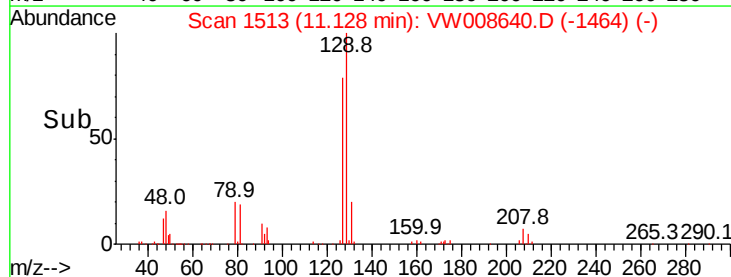
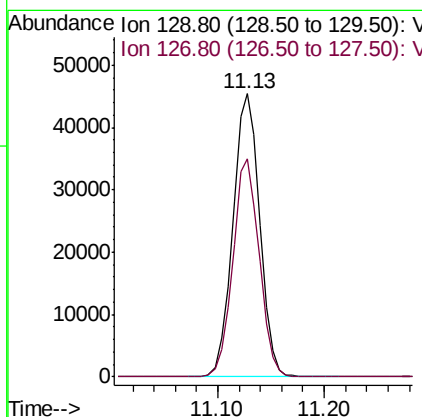
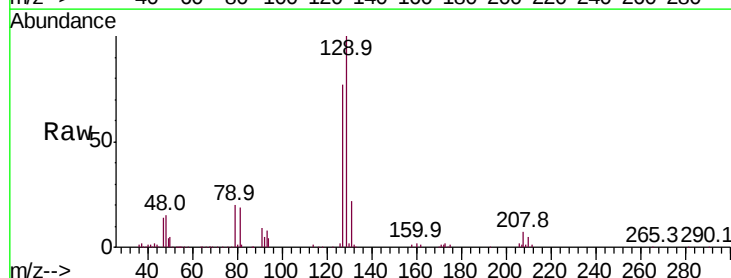
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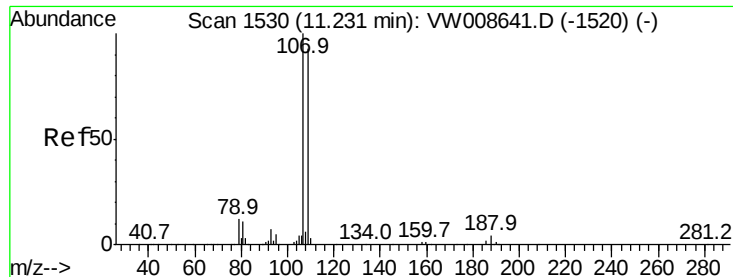
MMDadoda
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#60
Dibromochloromethane
Concen: 19.933 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.979 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 65787

Ion Ratio Lower Upper

107 100

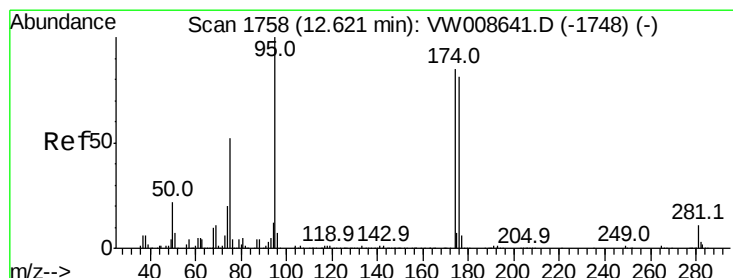
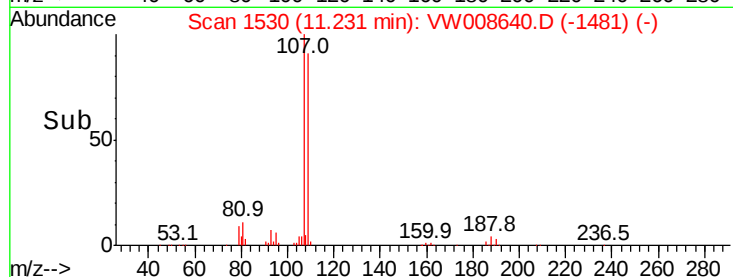
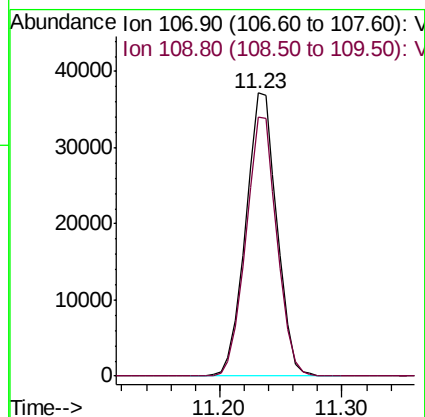
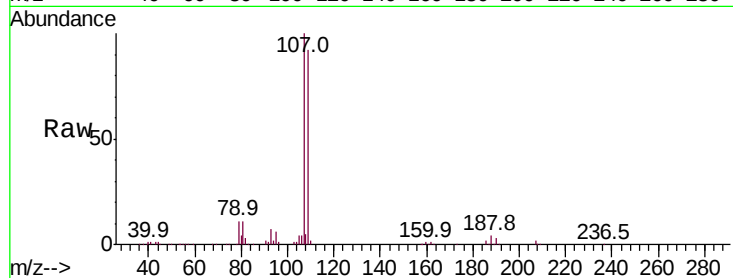
109 90.9 74.8 112.2

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 18.518 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

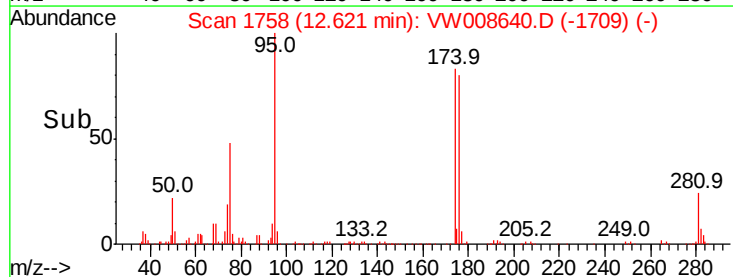
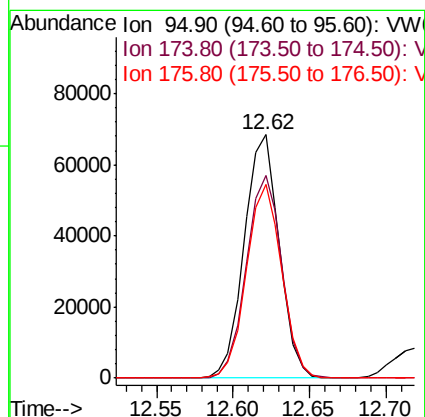
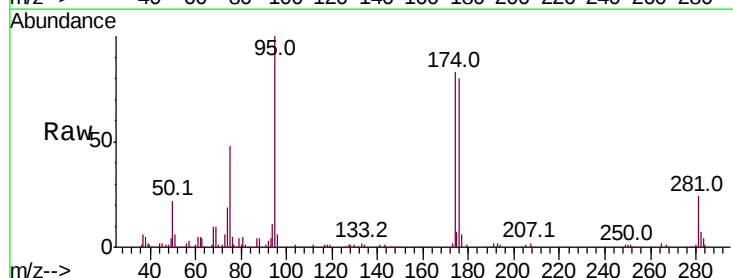
Tgt Ion: 95 Resp: 108783

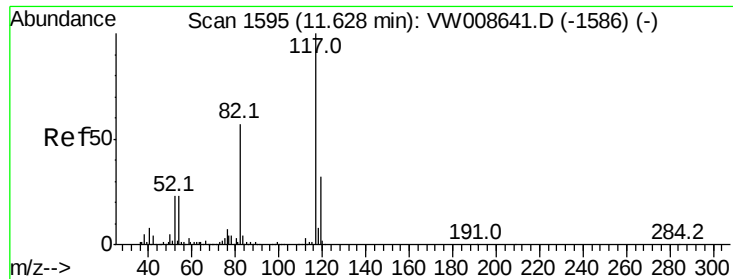
Ion Ratio Lower Upper

95 100

174 84.4 0.0 163.2

176 80.3 0.0 158.0





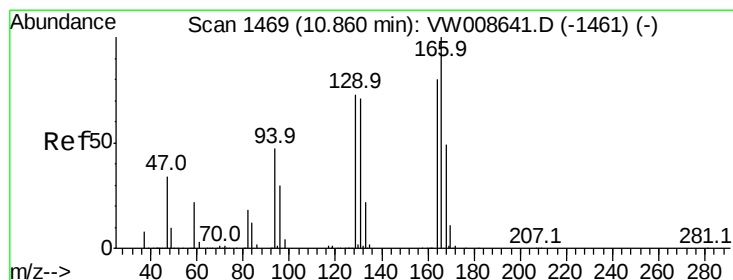
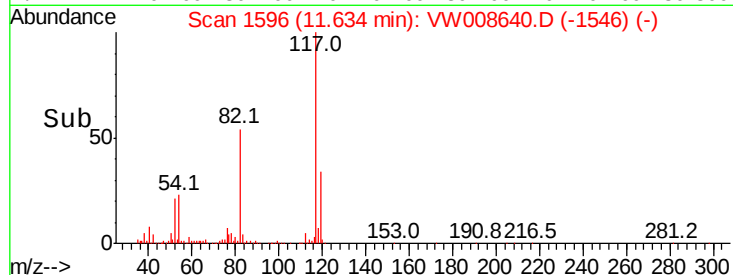
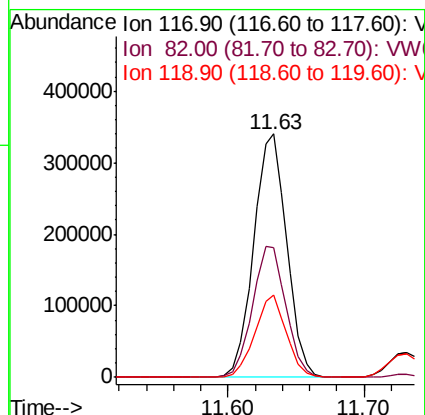
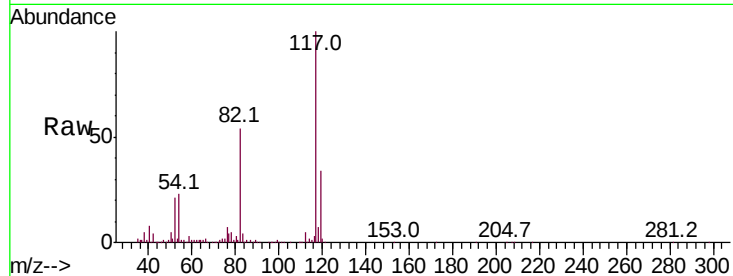
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.6	68.4
119	33.6	25.7	38.5

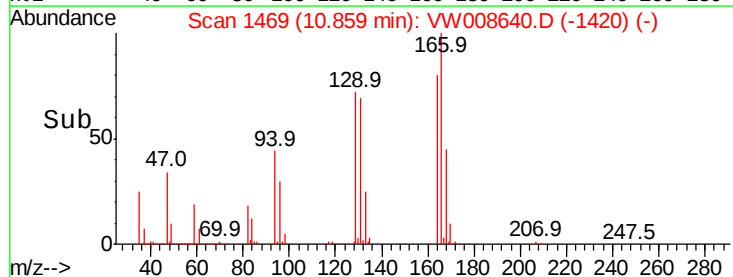
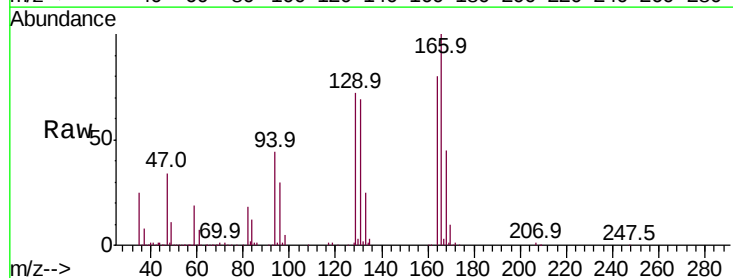
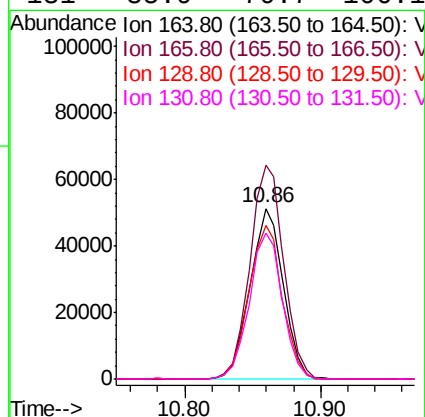
Manual Integrations
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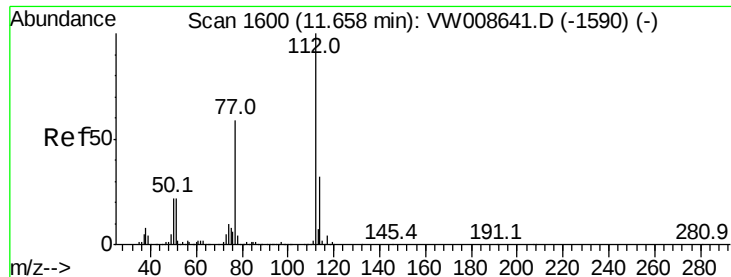
MMDadoda
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#64
Tetrachloroethene
Concen: 20.389 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	89.8	73.6	110.4
131	85.9	70.7	106.1





#65

Chlorobenzene

Concen: 20.377 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 253961

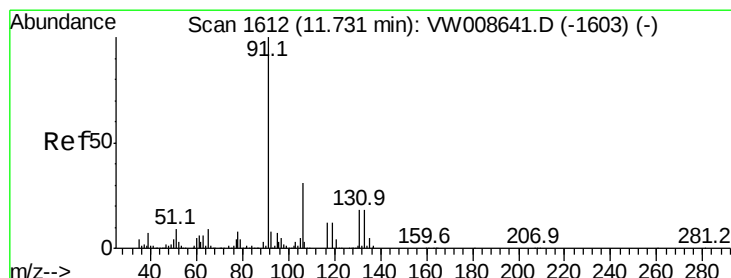
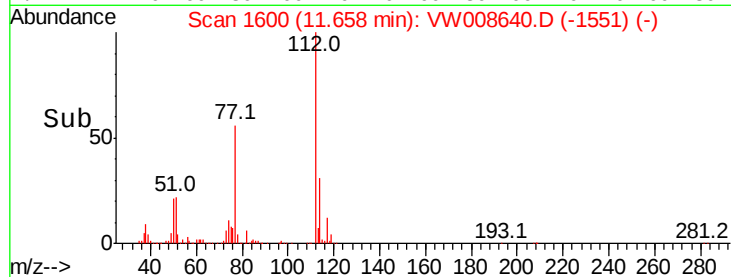
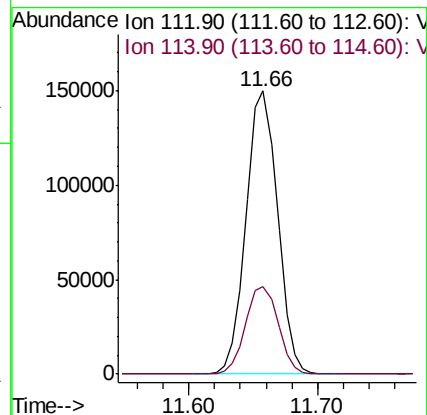
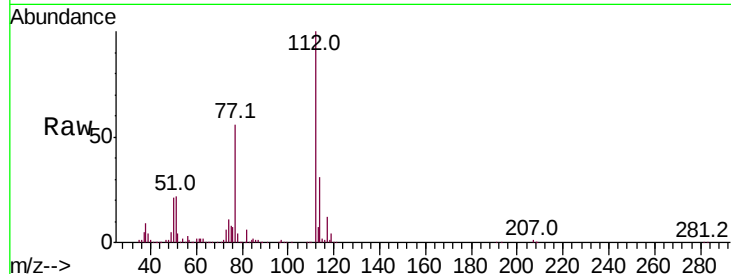
Ion Ratio Lower Upper

112 100

114 31.0 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.891 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

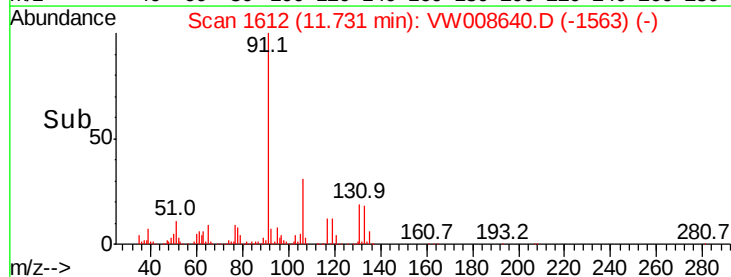
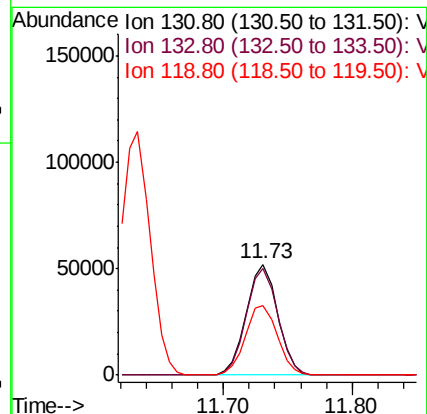
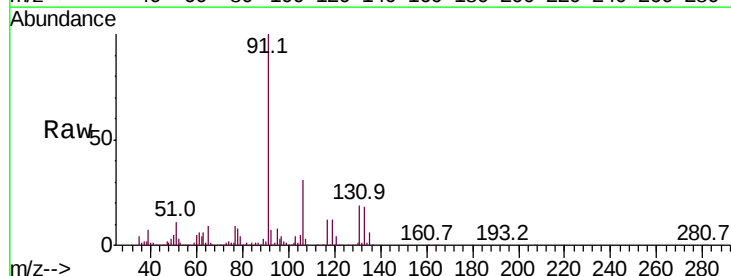
Tgt Ion:131 Resp: 87821

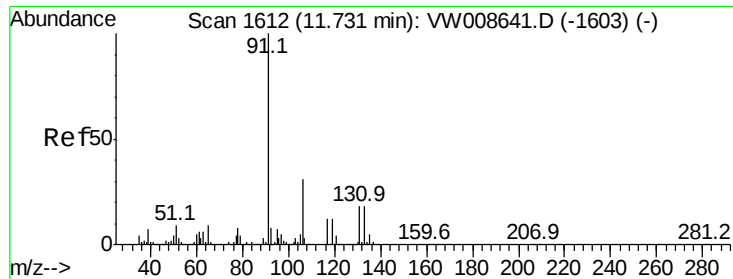
Ion Ratio Lower Upper

131 100

133 97.4 47.8 143.4

119 64.5 31.6 94.8





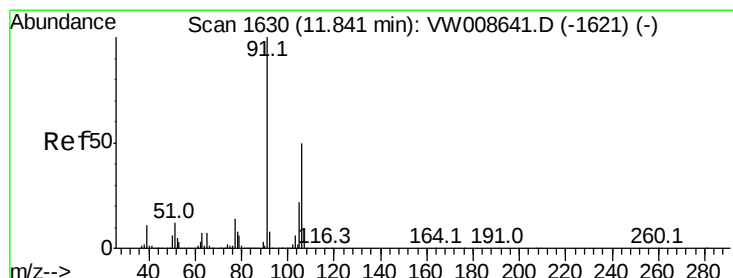
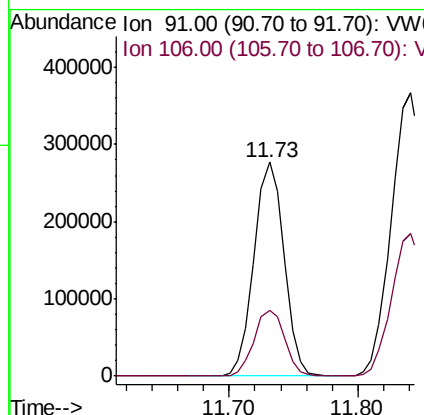
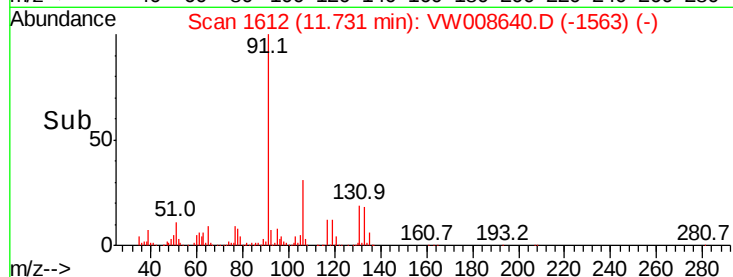
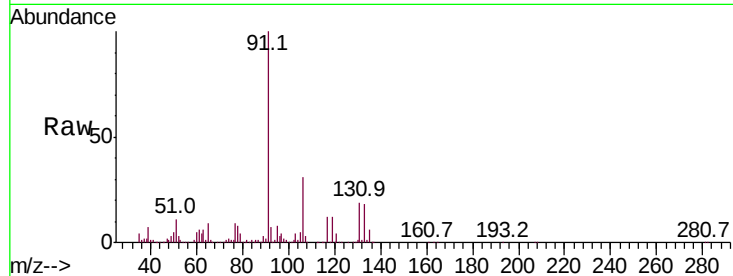
#67
Ethyl Benzene
Concen: 20.091 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 446046
Ion Ratio Lower Upper
91 100
106 30.8 24.5 36.7

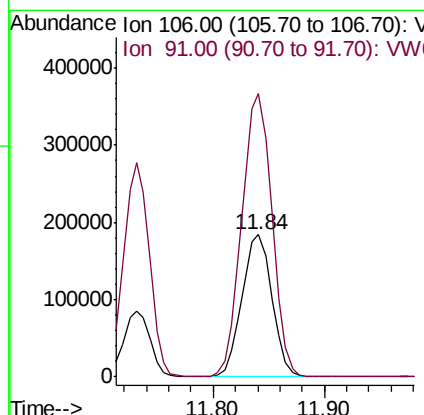
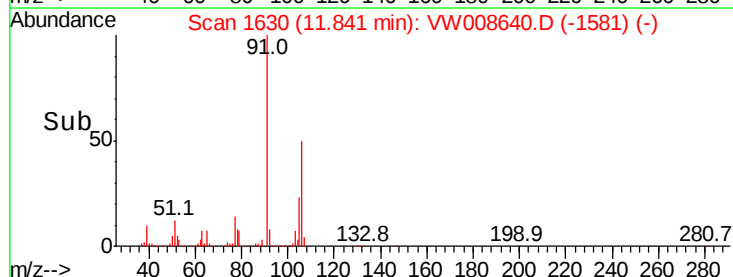
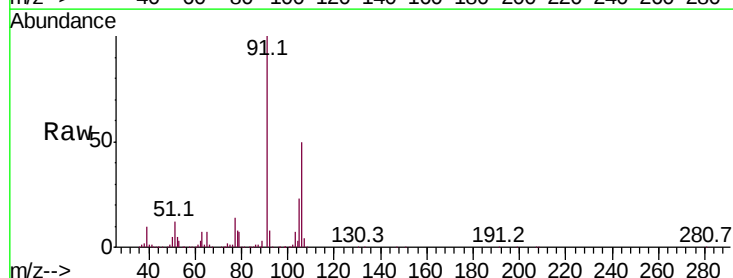
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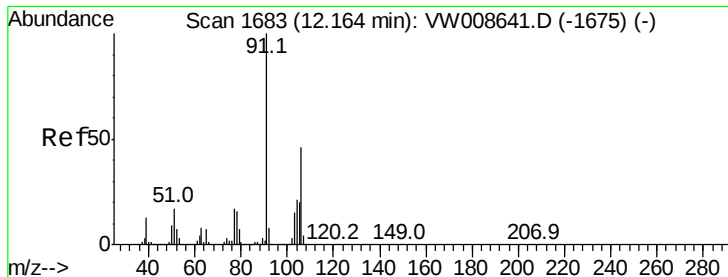
MMDadoda
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#68
m/p-Xylenes
Concen: 40.068 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion: 106 Resp: 346112
Ion Ratio Lower Upper
106 100
91 199.4 161.0 241.4





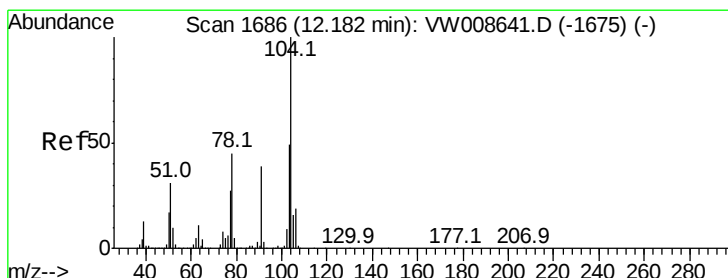
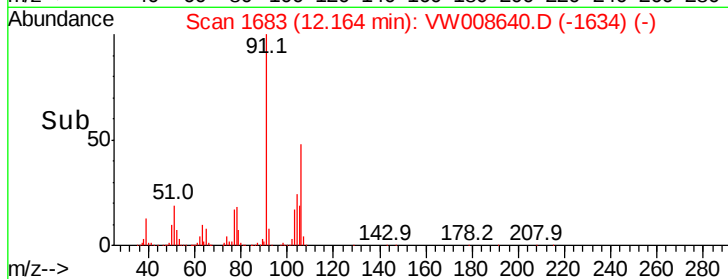
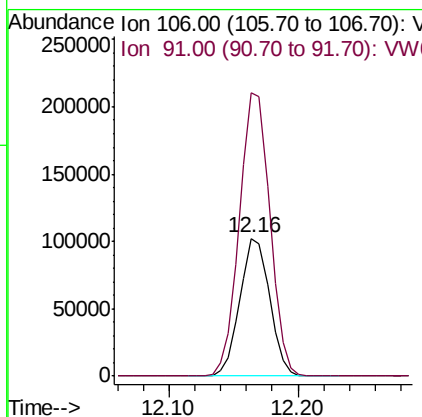
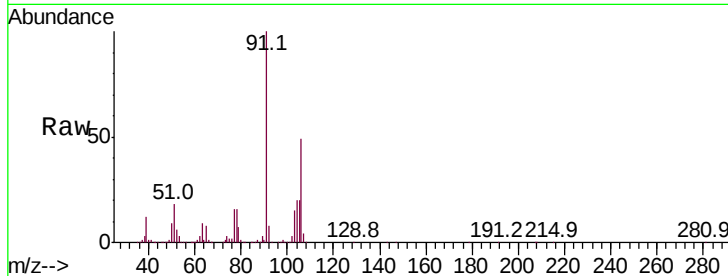
#69
o-Xylene
Concen: 20.121 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.0	106.7	320.1

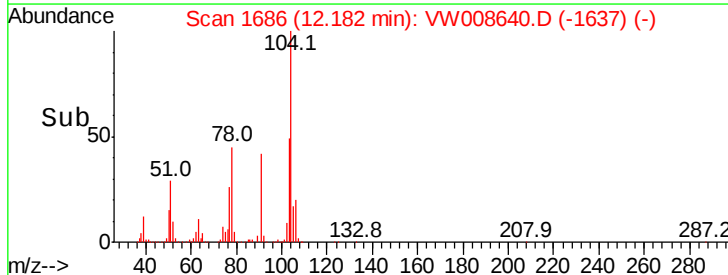
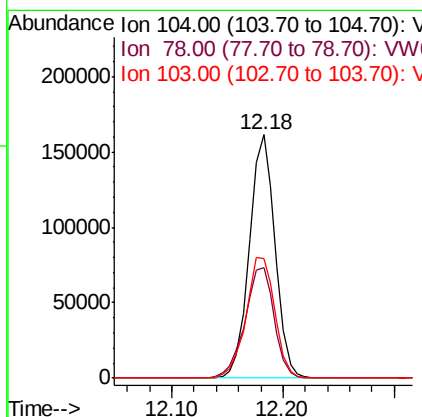
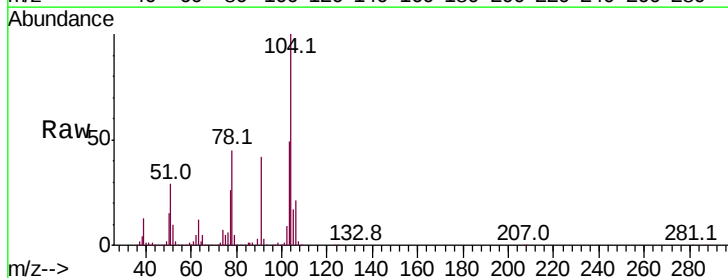
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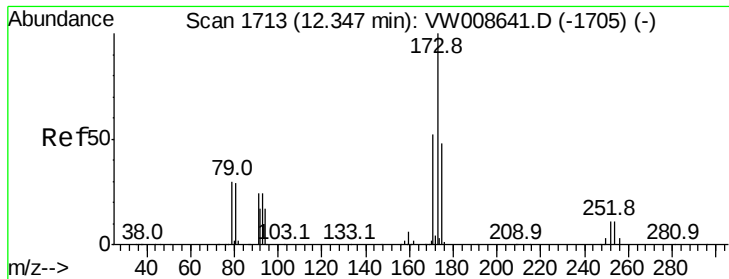
MMDadoda
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#70
Styrene
Concen: 19.434 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	41.5	62.3
103	55.7	43.5	65.3





#71

Bromoform

Concen: 19.352 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

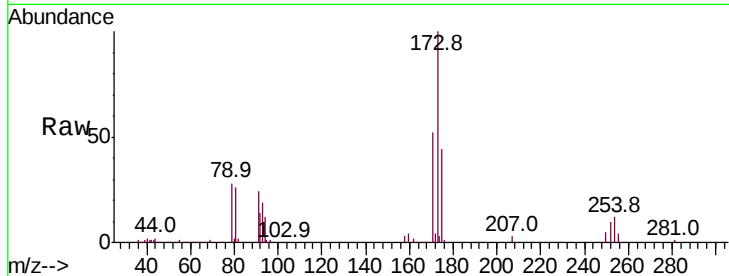
ClientSampleId :

VSTDIC020

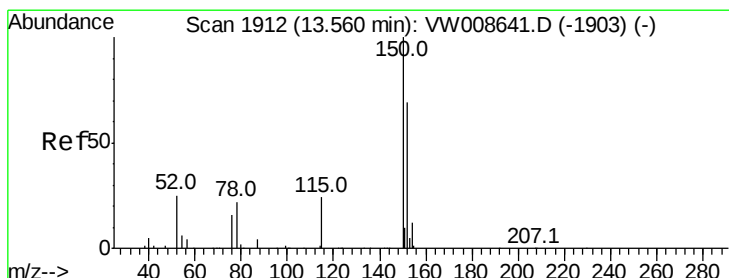
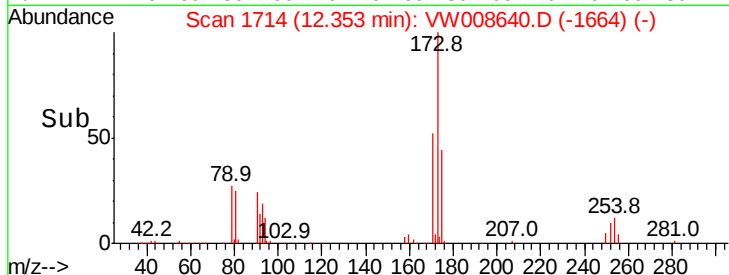
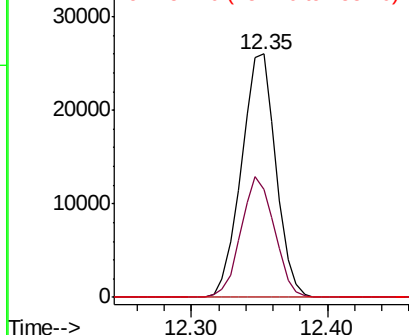
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.7
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

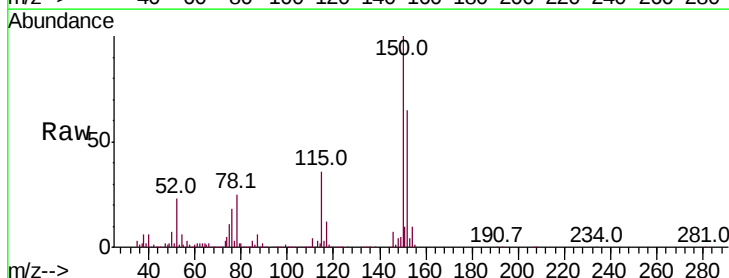
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

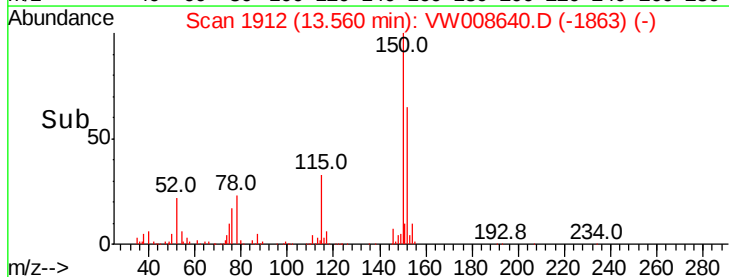
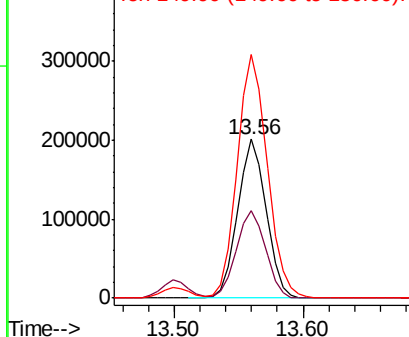
Lab File: VW008640.D

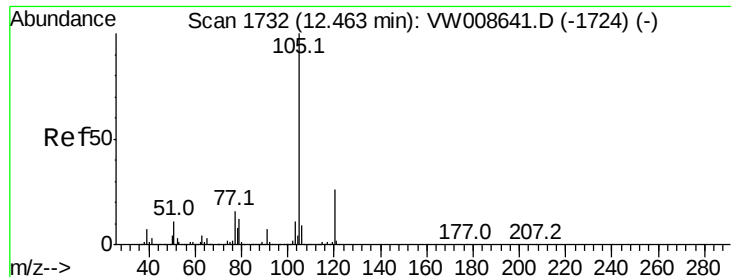
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	29.3	87.8
150	161.9	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: 19.580 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 448201

Ion Ratio Lower Upper

105 100

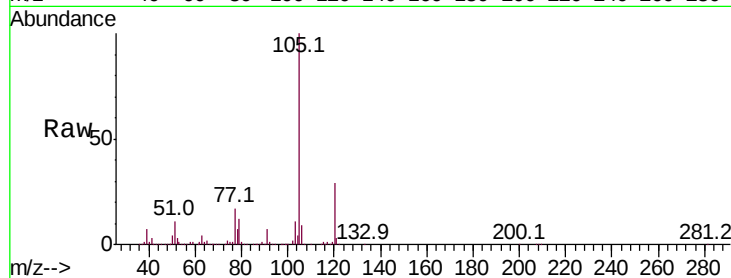
120 27.4 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

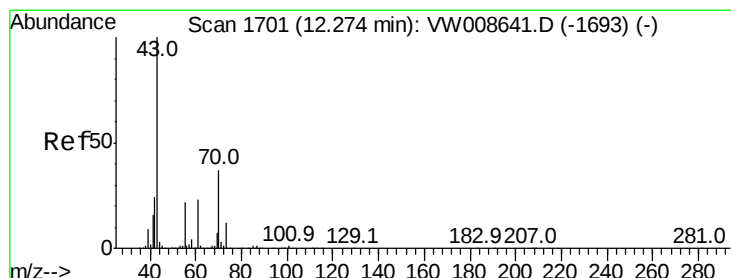
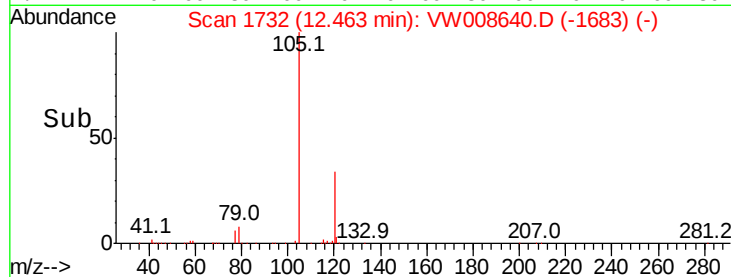
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.759 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion: 43 Resp: 116120

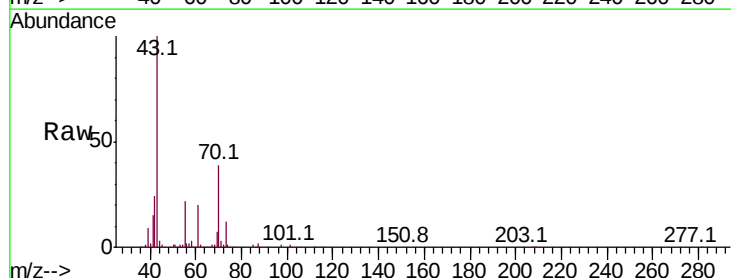
Ion Ratio Lower Upper

43 100

70 39.4 30.5 45.7

55 23.3 17.6 26.4

61 22.3 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

120000

100000

80000

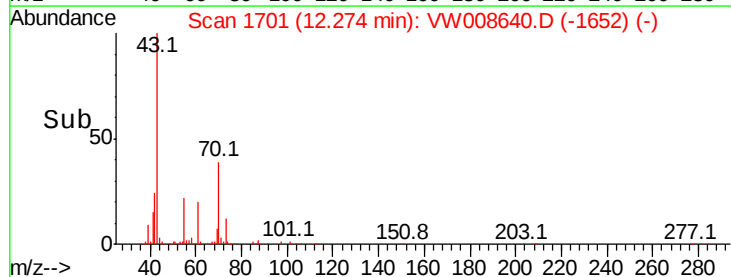
60000

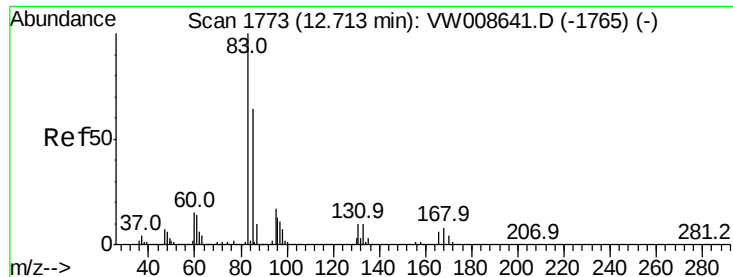
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.443 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

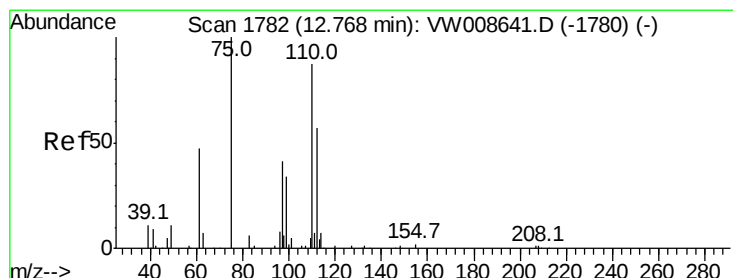
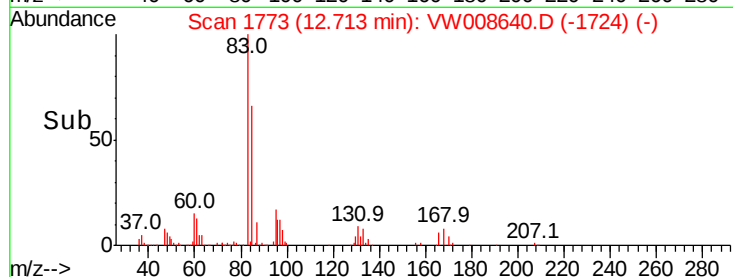
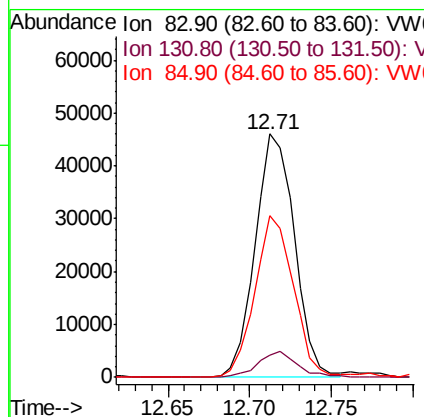
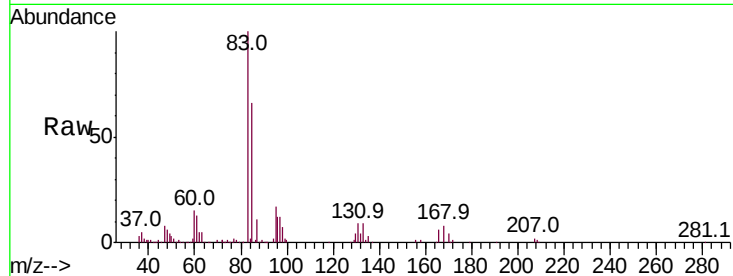
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	77437
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.7
85	65.2	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.884 ug/l m

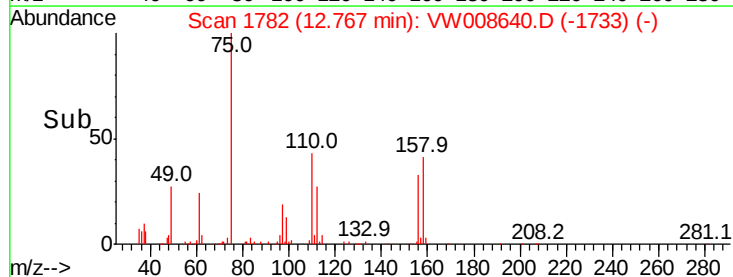
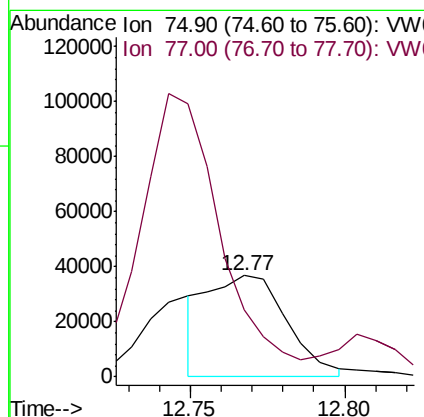
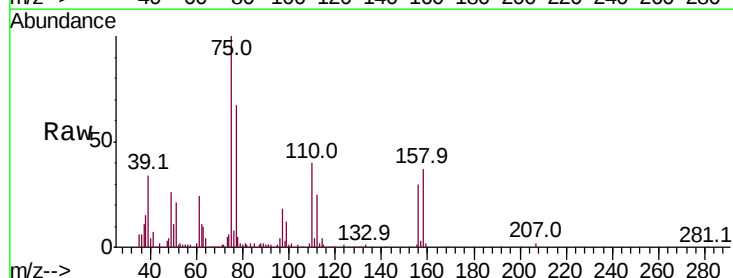
RT: 12.77 min Scan# 1782

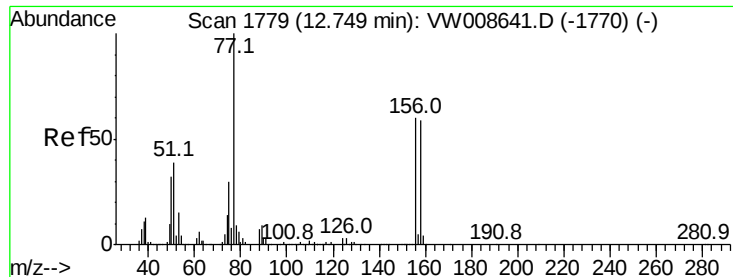
Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion:	75	Resp:	65596
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.439 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

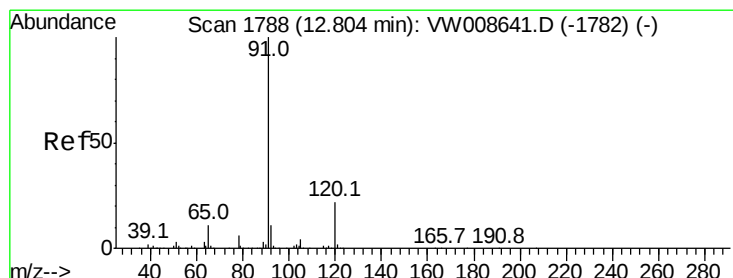
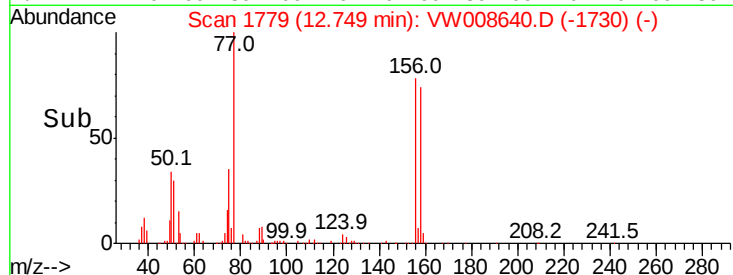
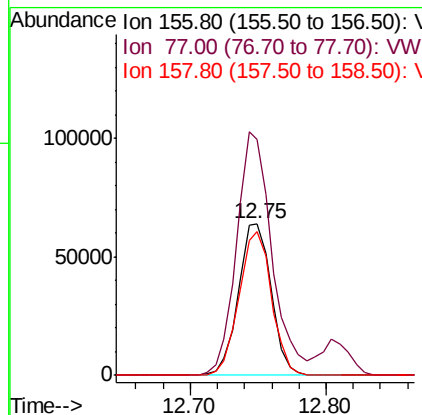
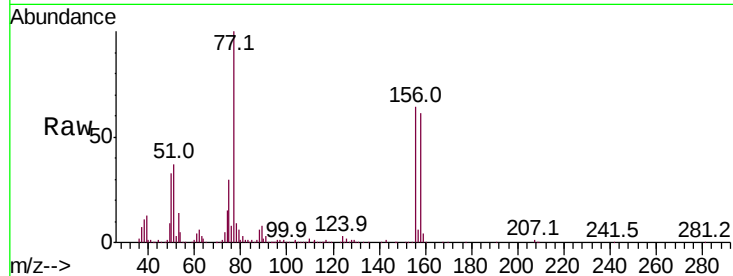
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	107550
Ion Ratio	Lower	Upper	
156	100		
77	173.0	93.2	279.5
158	94.6	48.5	145.5

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#78

n-propylbenzene

Concen: 19.772 ug/l

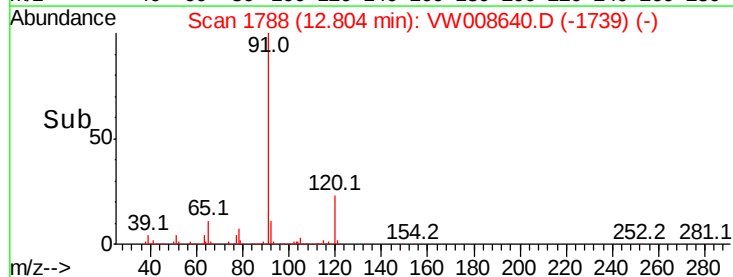
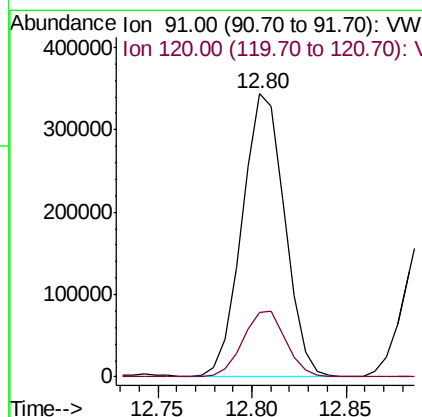
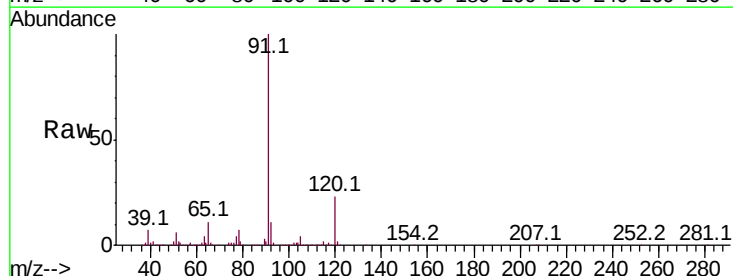
RT: 12.80 min Scan# 1788

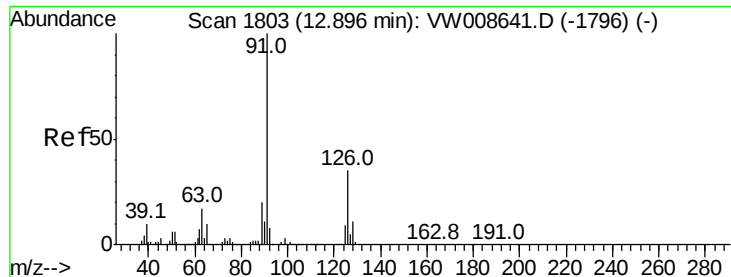
Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion:	91	Resp:	537785
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.4	34.2





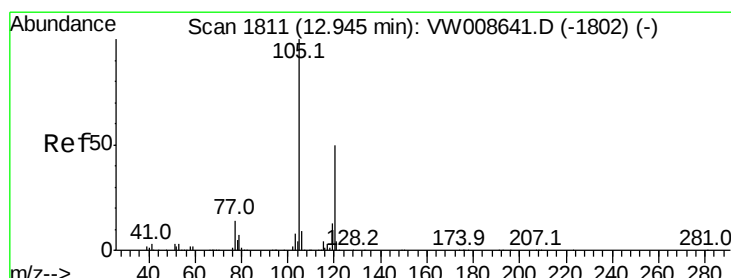
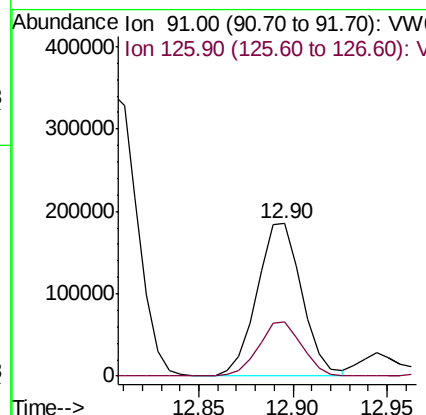
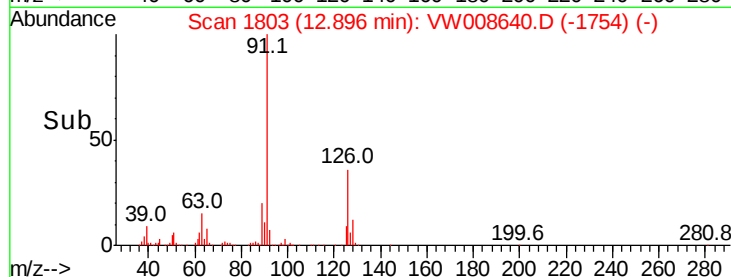
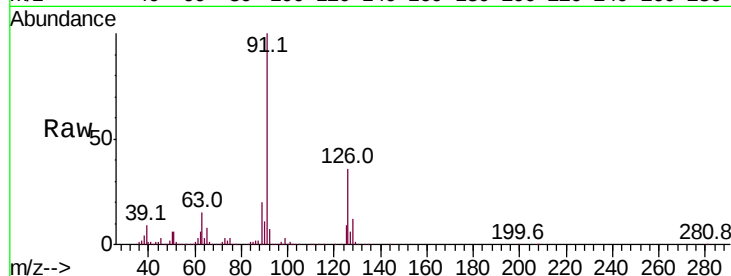
#79
2-Chlorotoluene
Concen: 19.923 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	50.9

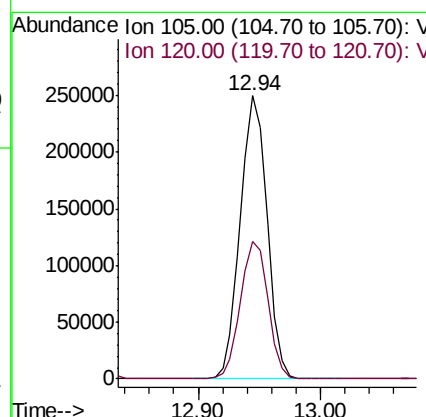
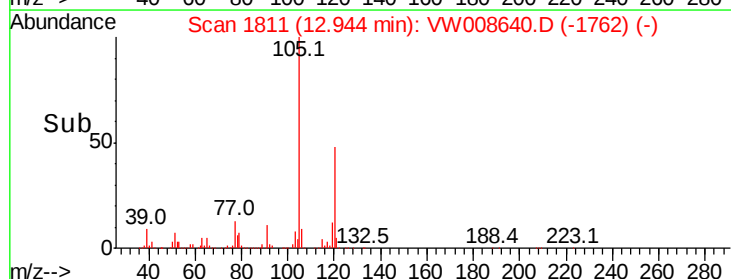
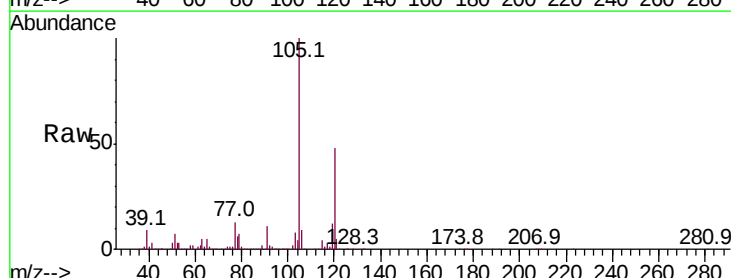
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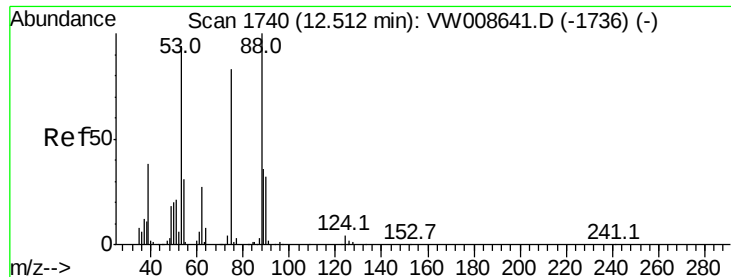
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#80
1,3,5-Trimethylbenzene
Concen: 19.921 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.9	24.6	73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.142 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

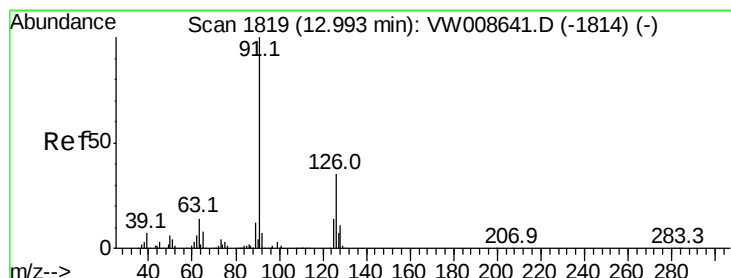
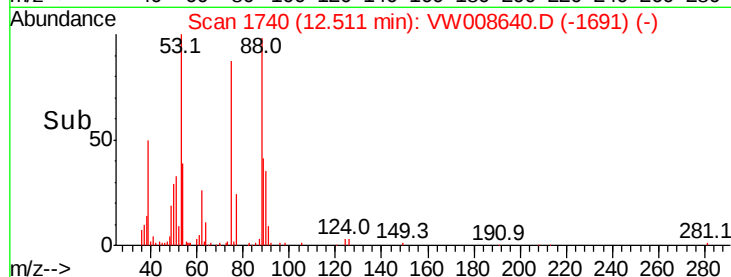
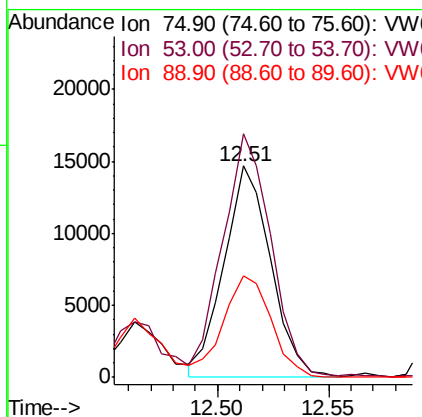
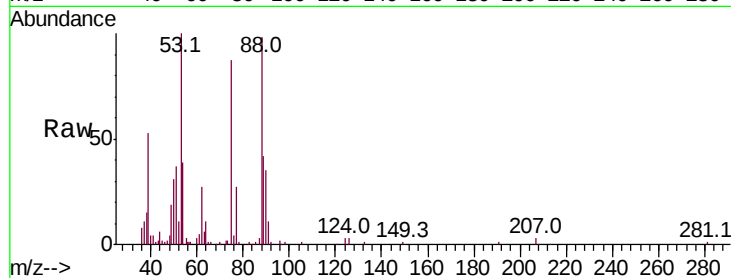
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	21280
Ion	Ratio	Lower	Upper
75	100		
53	120.9	87.4	131.0
89	49.8	37.0	55.4

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#82

4-Chlorotoluene

Concen: 19.657 ug/l

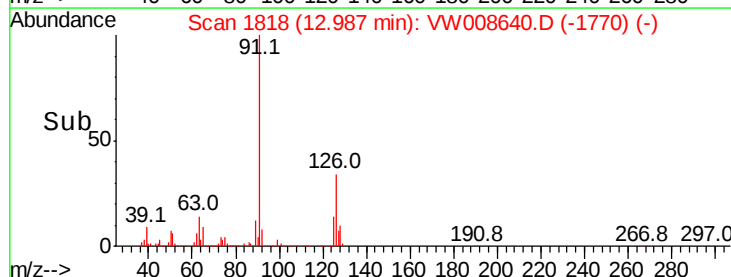
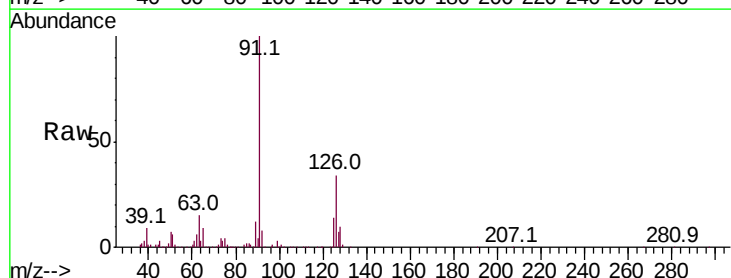
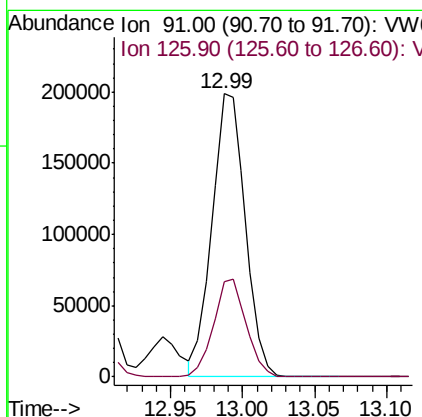
RT: 12.99 min Scan# 1818

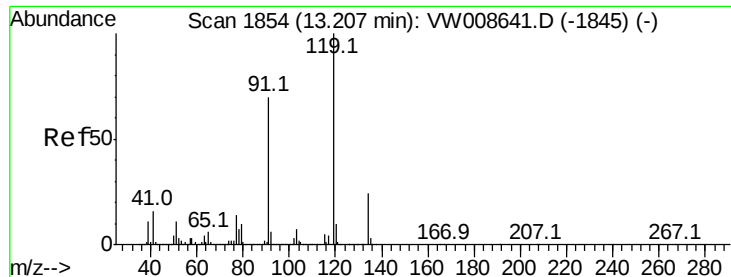
Delta R.T. -0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion:	91	Resp:	320230
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.7





#83

tert-Butylbenzene

Concen: 19.859 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW008640.D

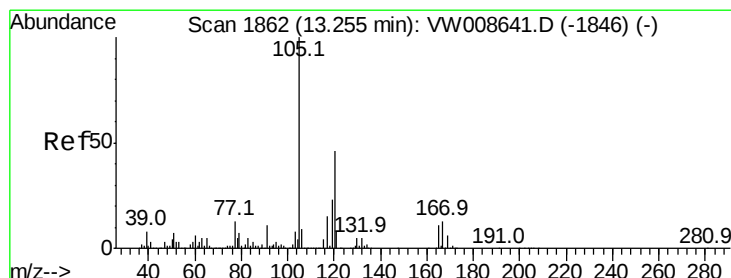
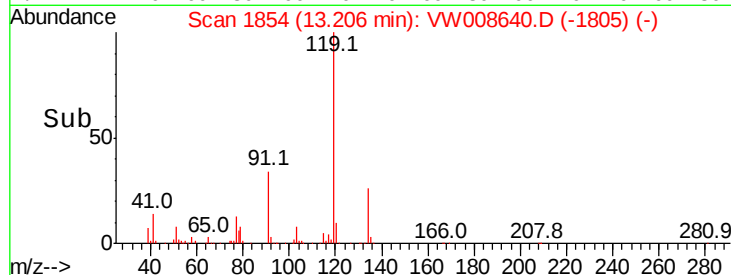
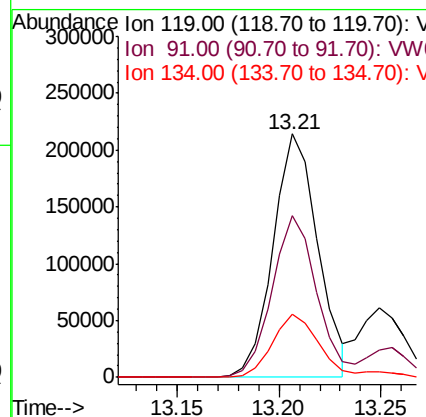
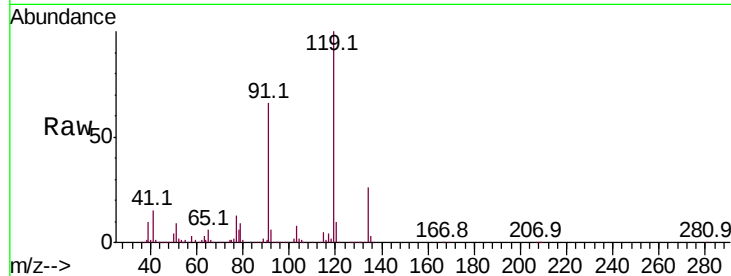
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	327869		
91	67.0		34.0	102.0
134	28.6		13.6	40.8

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#84

1,2,4-Trimethylbenzene

Concen: 19.665 ug/l

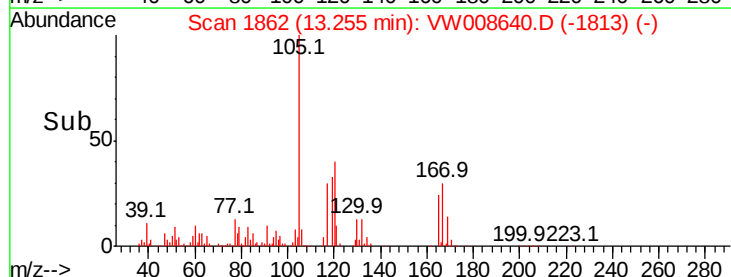
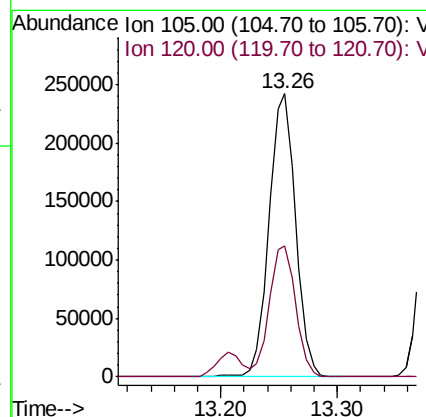
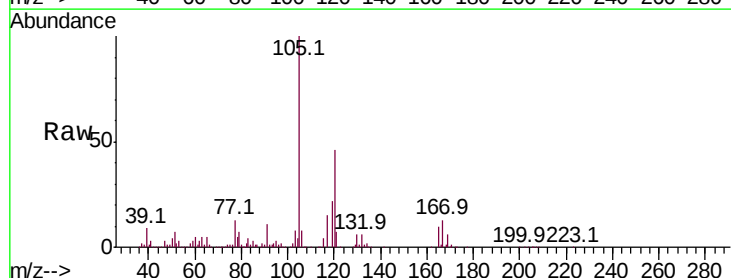
RT: 13.26 min Scan# 1862

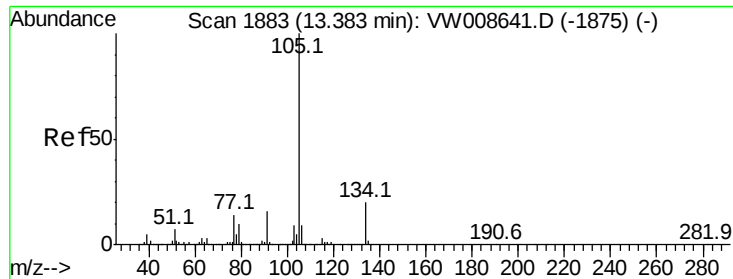
Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	384292		
120	46.2		22.9	68.8





#85

sec-Butylbenzene

Concen: 19.970 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 480056

Ion Ratio Lower Upper

105 100

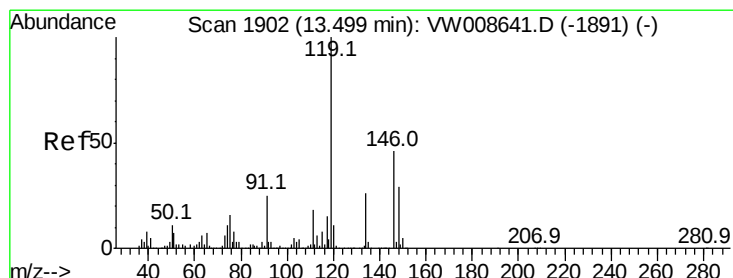
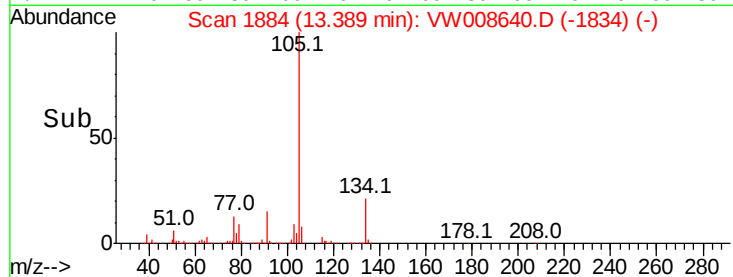
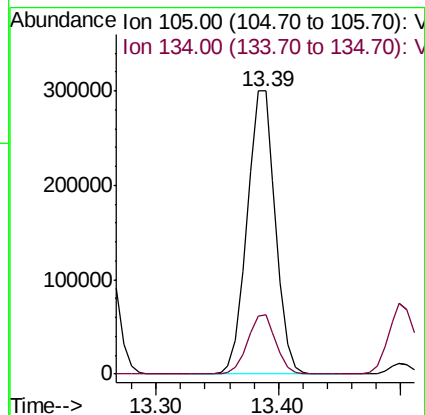
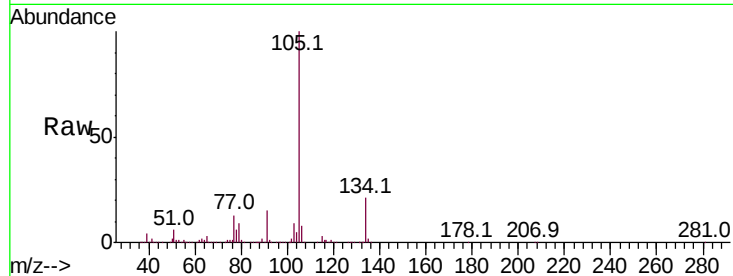
134 20.9 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 19.663 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

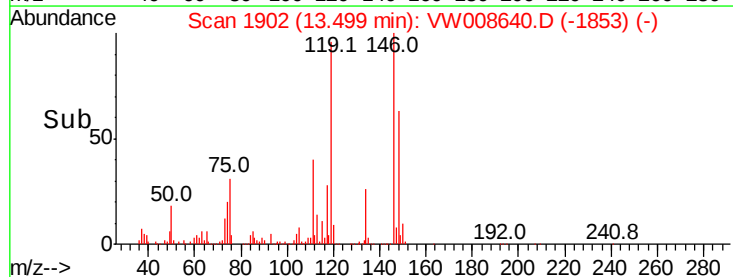
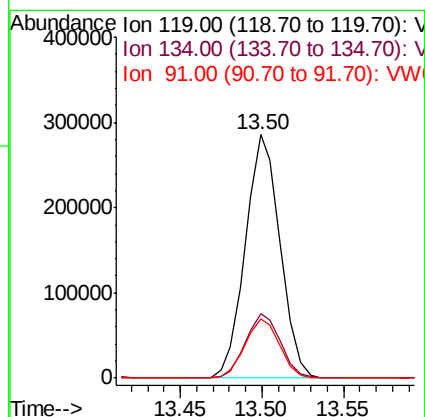
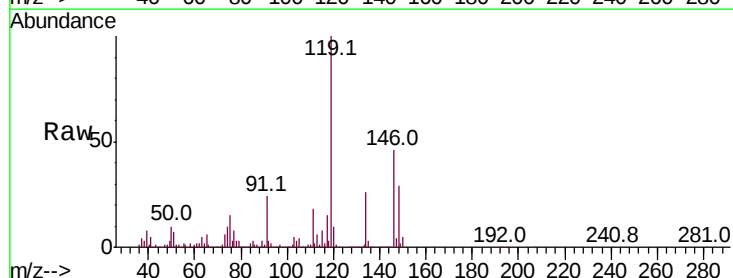
Tgt Ion:119 Resp: 422860

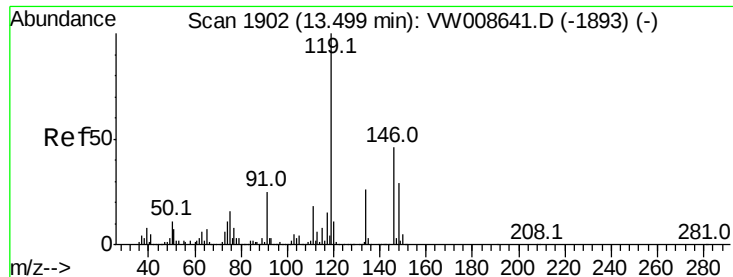
Ion Ratio Lower Upper

119 100

134 26.7 13.0 39.0

91 24.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.606 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008640.D

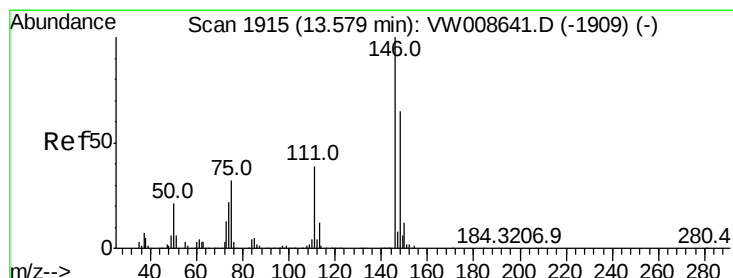
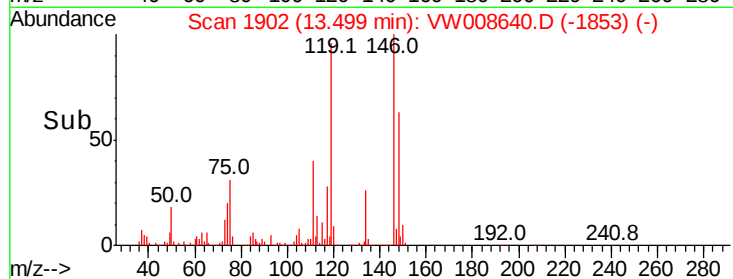
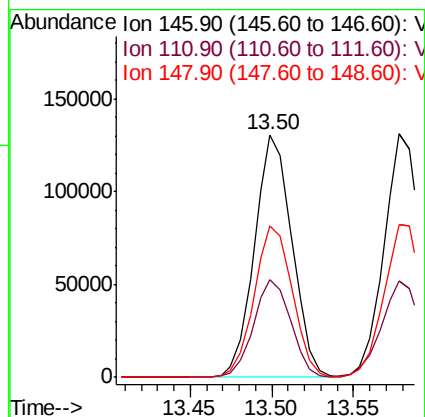
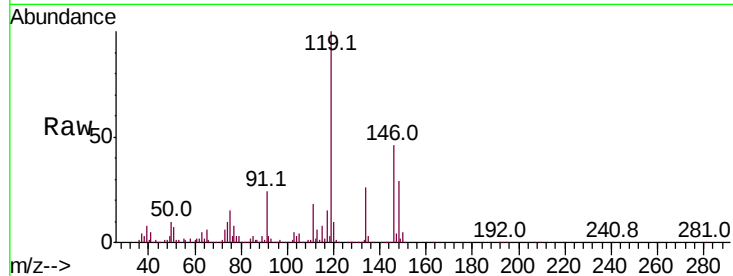
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209138		
111	40.1		19.4	58.1
148	63.6		31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 19.837 ug/l

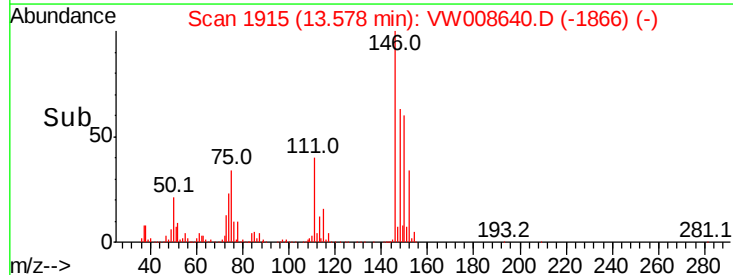
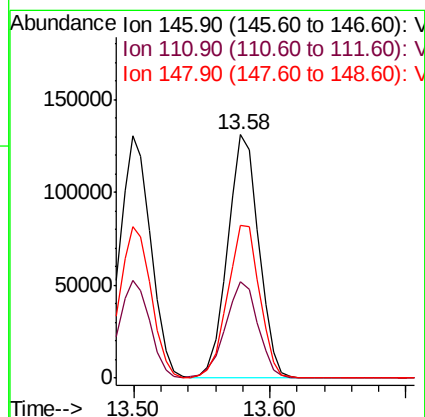
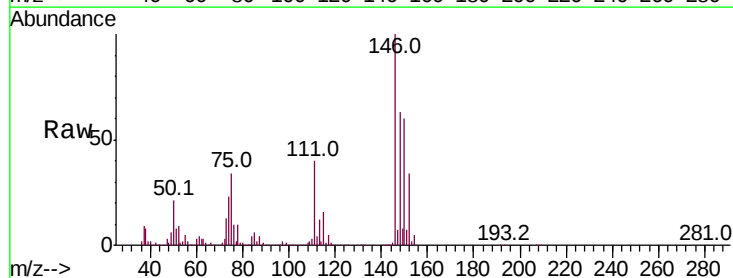
RT: 13.58 min Scan# 1915

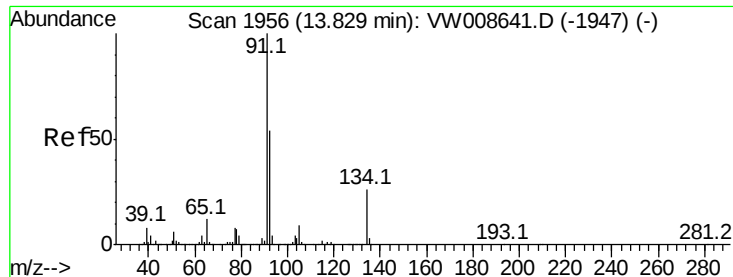
Delta R.T. -0.00 min

Lab File: VW008640.D

Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	208537		
111	41.4		19.4	58.1
148	64.7		31.8	95.4





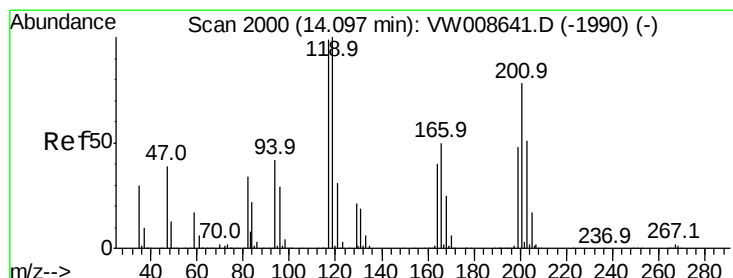
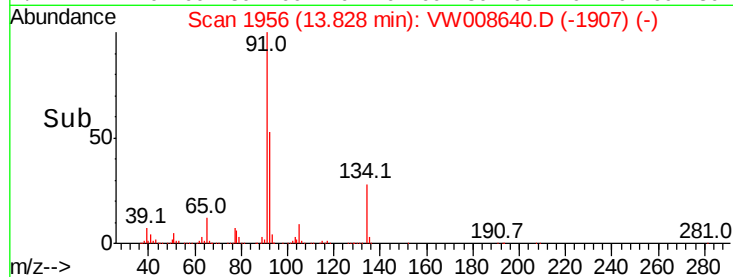
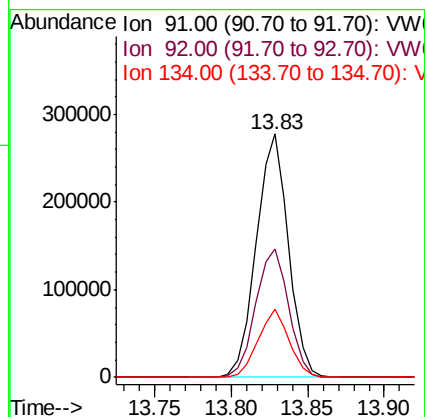
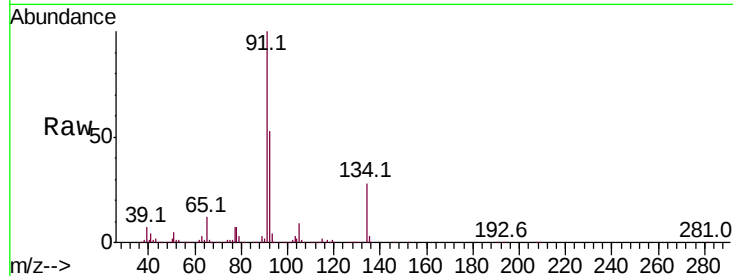
#89
n-Butylbenzene
Concen: 19.843 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		405512		
92	54.0	26.8	80.4		
134	27.0	13.0	39.0		

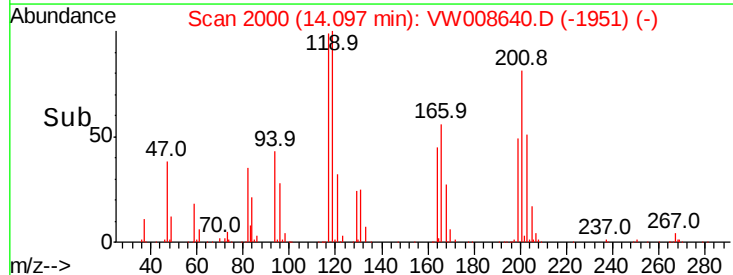
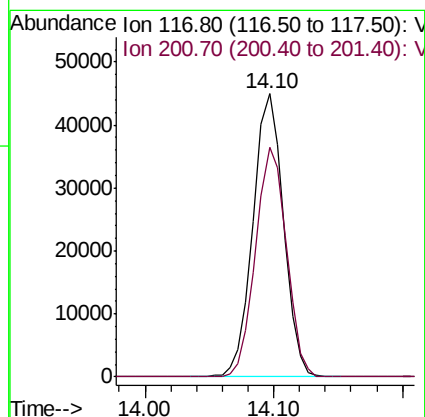
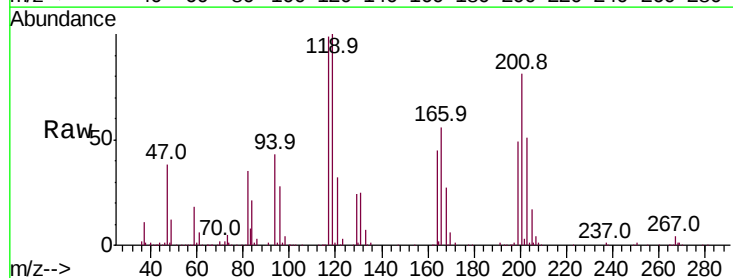
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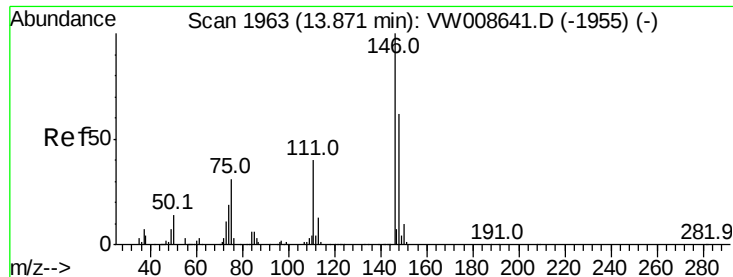
MMDadoda
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#90
Hexachloroethane
Concen: 19.513 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		73316		
201	82.2	38.7	116.1		





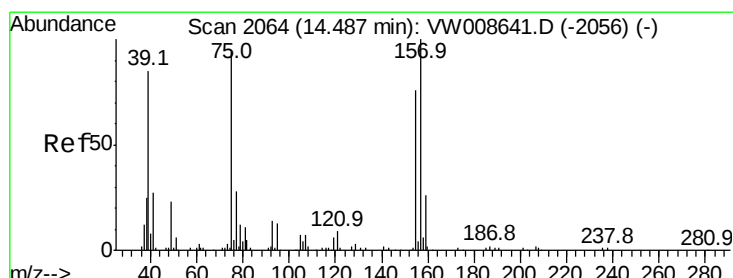
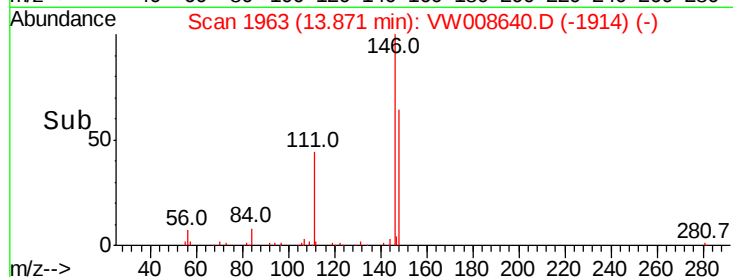
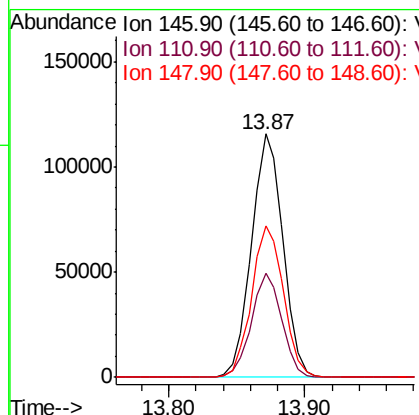
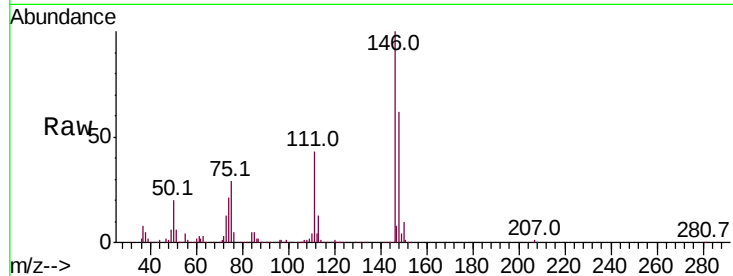
#91
 1,2-Dichlorobenzene
 Concen: 19.866 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	187750		
111	41.4	20.5	61.5	
148	62.6	31.6	94.8	

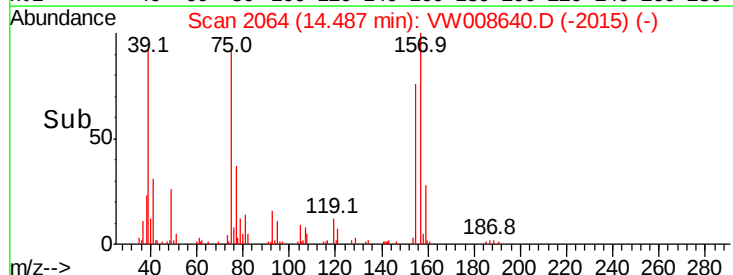
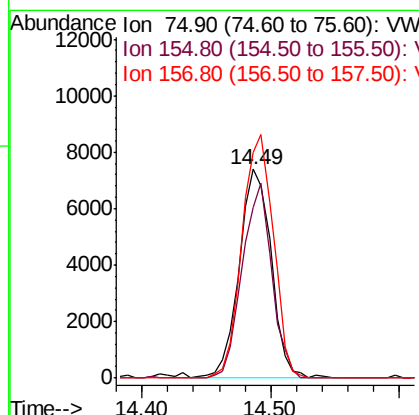
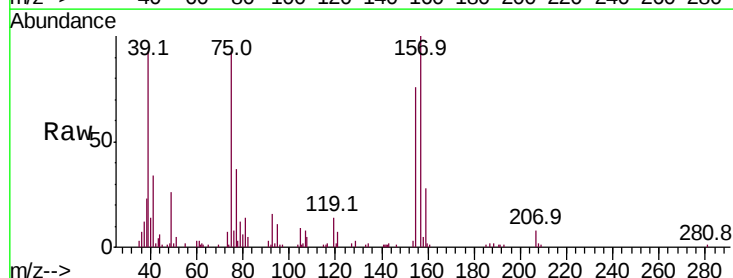
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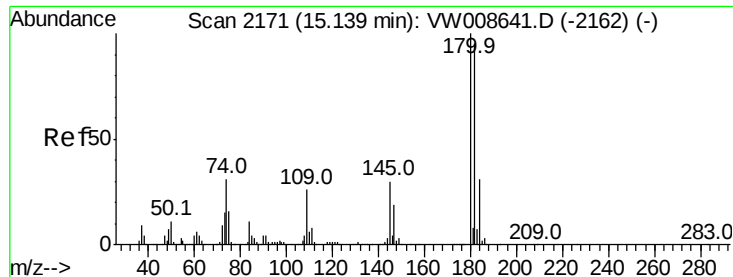
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.408 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12740		
155	85.2	41.8	125.4	
157	113.6	53.8	161.4	





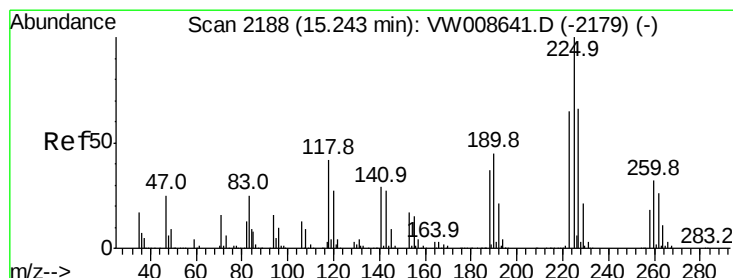
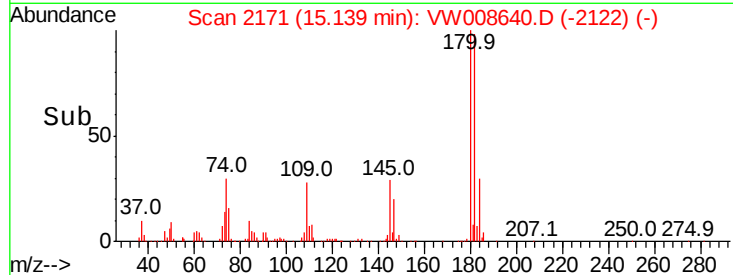
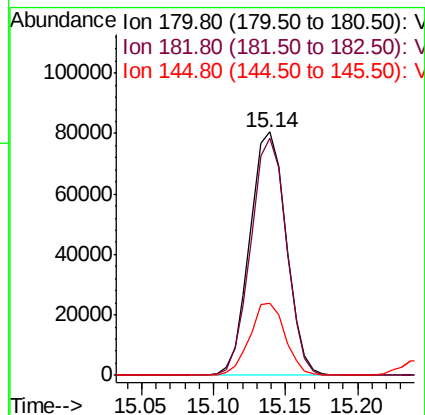
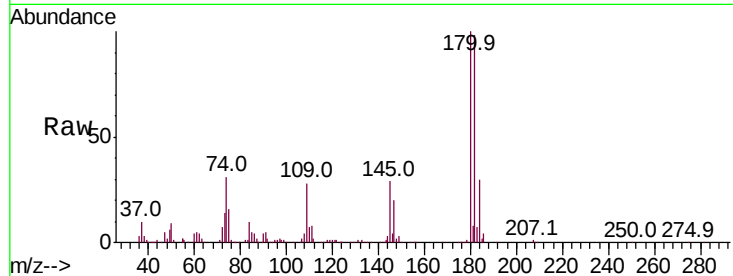
#93
 1,2,4-Trichlorobenzene
 Concen: 20.901 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.5	142.5	
145	28.9	15.1	45.3	

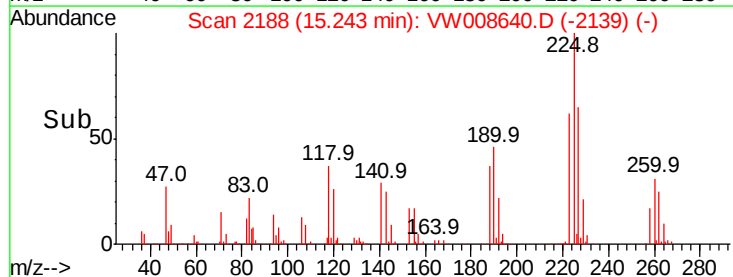
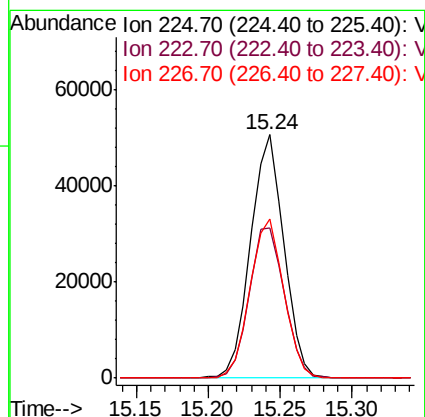
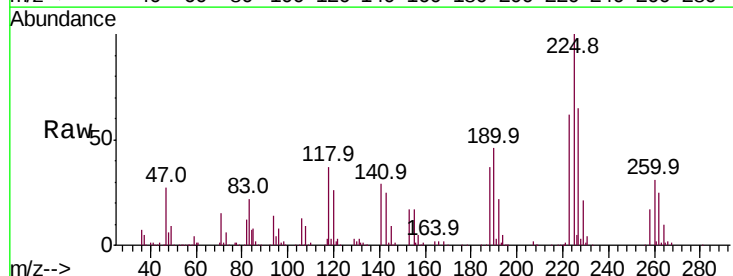
Manual Integrations
 APPROVED

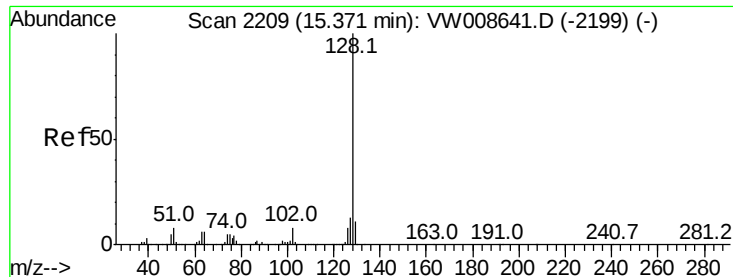
MMDadoda
 2/14/2019 2:08:54 PM



#94
 Hexachlorobutadiene
 Concen: 20.665 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008640.D
 Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.5	31.4	94.3	
227	66.3	32.4	97.0	





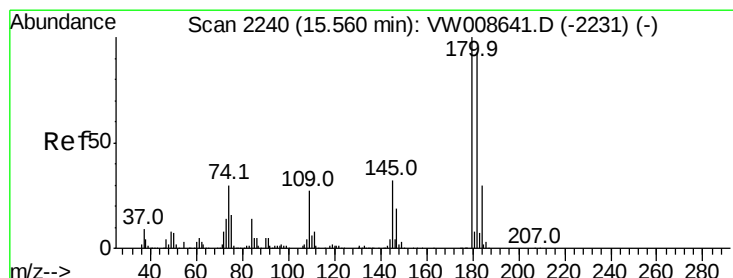
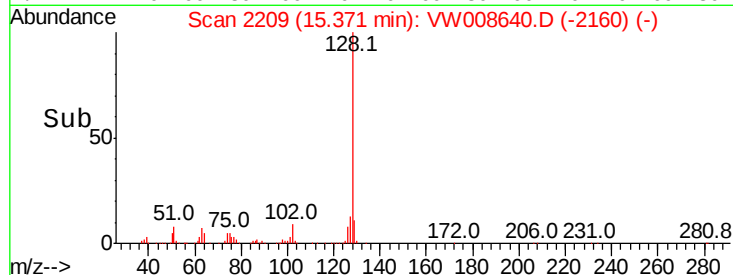
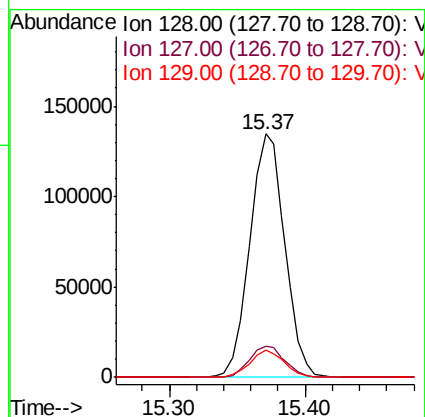
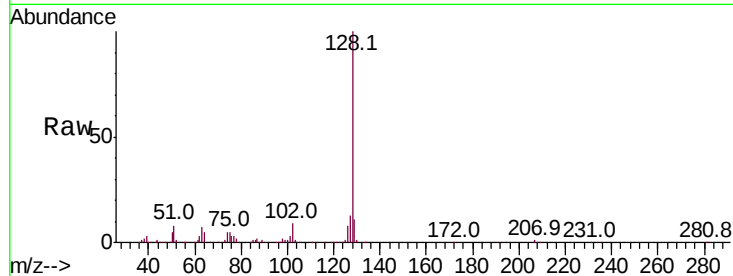
#95
Naphthalene
Concen: 20.138 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.9	16.3
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 2:08:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.761 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008640.D
Acq: 13 Feb 2019 15:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	31.6	15.9	47.7

