

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009564.D
 Acq On : 29 Mar 2019 09:54
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:43 AM

Quant Time: Mar 29 13:21:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	281406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217738	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	15935	4.88	ug/l	0.00
Spiked Amount			Recovery	=	9.76%	
35) Dibromofluoromethane	7.88	113	14445	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
50) Toluene-d8	10.32	98	48337	4.47	ug/l	0.00
Spiked Amount			Recovery	=	8.94%	
62) 4-Bromofluorobenzene	12.62	95	17497	4.33	ug/l	0.00
Spiked Amount			Recovery	=	8.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11859	7.207	ug/l	95
3) Chloromethane	2.21	50	12733	5.848	ug/l	99
4) Vinyl Chloride	2.36	62	17665	5.911	ug/l	99
5) Bromomethane	2.78	94	14161	6.273	ug/l	96
6) Chloroethane	2.92	64	12787	5.660	ug/l	93
7) Trichlorofluoromethane	3.25	101	11755	5.669	ug/l	97
8) Diethyl Ether	3.67	74	7538	5.145	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15543	5.614	ug/l	96
10) Methyl Iodide	4.26	142	21215	5.455	ug/l	96
11) Tert butyl alcohol	5.18	59	5236m	29.037	ug/l	
12) 1,1-Dichloroethene	4.03	96	15111	5.752	ug/l	93
13) Acrolein	3.88	56	3500	25.646	ug/l	87
14) Allyl chloride	4.66	41	23081	5.327	ug/l	98
15) Acrylonitrile	5.37	53	17341	26.710	ug/l	98
16) Acetone	4.12	43	20423	28.102	ug/l	91
17) Carbon Disulfide	4.38	76	43672	5.951	ug/l	97
18) Methyl Acetate	4.67	43	10735	6.324	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	17992	4.740	ug/l #	77
20) Methylene Chloride	4.92	84	22927	7.996	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	15446	5.471	ug/l #	88
22) Diisopropyl ether	6.31	45	44227	4.672	ug/l	95
23) Vinyl Acetate	6.25	43	120681	20.228	ug/l	95
24) 1,1-Dichloroethane	6.21	63	30117	5.430	ug/l	97
25) 2-Butanone	7.17	43	23331	23.580	ug/l	98
26) 2,2-Dichloropropane	7.15	77	17941	5.654	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	16137	5.160	ug/l	95
28) Bromochloromethane	7.51	49	12545	5.360	ug/l	92
29) Tetrahydrofuran	7.52	42	14399	23.248	ug/l	98
30) Chloroform	7.67	83	30347	5.320	ug/l	89
31) Cyclohexane	7.95	56	32111	6.485	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	25485	5.486	ug/l	96
36) 1,1-Dichloropropene	8.08	75	23749	5.135	ug/l	98
37) Ethyl Acetate	7.26	43	10232	4.710	ug/l	96
38) Carbon Tetrachloride	8.06	117	24922	5.322	ug/l	98

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Mar 29 13:21:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26779	5.026	ug/l	99
40) Benzene	8.32	78	64235	5.135	ug/l	97
41) Methacrylonitrile	7.49	41	5767	4.462	ug/l	94
42) 1,2-Dichloroethane	8.40	62	21745	5.209	ug/l	98
43) Isopropyl Acetate	8.43	43	21192	5.035	ug/l	98
44) Trichloroethene	9.09	130	16657	5.160	ug/l	92
45) 1,2-Dichloropropane	9.37	63	16474	5.165	ug/l	98
46) Dibromomethane	9.46	93	8539	5.007	ug/l	96
47) Bromodichloromethane	9.65	83	21951	4.941	ug/l	92
48) Methyl methacrylate	9.44	41	8645	4.142	ug/l	93
49) 1,4-Dioxane	9.44	88	2528	95.881	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	52554	22.776	ug/l	94
52) Toluene	10.38	92	37159	4.632	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	20734	4.688	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	21877	4.450	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	11680	5.036	ug/l	97
56) Ethyl methacrylate	10.65	69	11782	3.907	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	20167	4.836	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.92	63	24815	16.798	ug/l	96
59) 2-Hexanone	10.97	43	33896	20.648	ug/l	97
60) Dibromochloromethane	11.13	129	13685	4.859	ug/l	99
61) 1,2-Dibromoethane	11.24	107	10803	4.826	ug/l	97
64) Tetrachloroethene	10.86	164	15129	5.566	ug/l	96
65) Chlorobenzene	11.66	112	44556	5.210	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	15216	4.843	ug/l	93
67) Ethyl Benzene	11.73	91	71718	4.578	ug/l	98
68) m/p-Xylenes	11.84	106	53265	8.947	ug/l	96
69) o-Xylene	12.16	106	23856	4.272	ug/l	98
70) Styrene	12.18	104	38288	4.058	ug/l	100
71) Bromoform	12.35	173	8146	4.804	ug/l #	98
73) Isopropylbenzene	12.46	105	67740	4.212	ug/l	99
74) N-amyl acetate	12.27	43	16556	4.082	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	14277	5.034	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	10071m	4.890	ug/l	
77) Bromobenzene	12.75	156	16869	4.706	ug/l	100
78) n-propylbenzene	12.80	91	86546	4.368	ug/l	99
79) 2-Chlorotoluene	12.90	91	49816	4.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	56349	4.140	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	4106	4.655	ug/l	94
82) 4-Chlorotoluene	12.99	91	52309	4.462	ug/l	100
83) tert-Butylbenzene	13.21	119	47668	4.116	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	57376	4.083	ug/l	98
85) sec-Butylbenzene	13.38	105	74002	4.208	ug/l	99
86) p-Isopropyltoluene	13.50	119	61827	4.045	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	36395	4.932	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	36907	5.031	ug/l	94
89) n-Butylbenzene	13.83	91	64008	4.252	ug/l	97
90) Hexachloroethane	14.10	117	12884	4.550	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	31953	4.811	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2610	4.998	ug/l	96

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MSVOA_W
ClientSampleId :
VSTDICC005

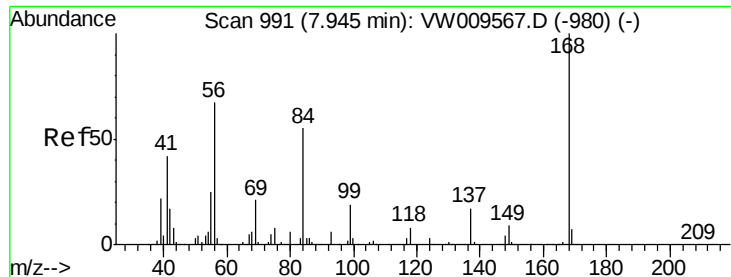
Manual Integrations
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4/1/2019 4:04:43 AM

Quant Time: Mar 29 13:21:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:10:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	18170	4.130	ug/l	97
94) Hexachlorobutadiene	15.24	225	13823	5.054	ug/l	98
95) Naphthalene	15.37	128	28334	3.471	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	16081	4.148	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 281406

Ion Ratio Lower Upper

168 100

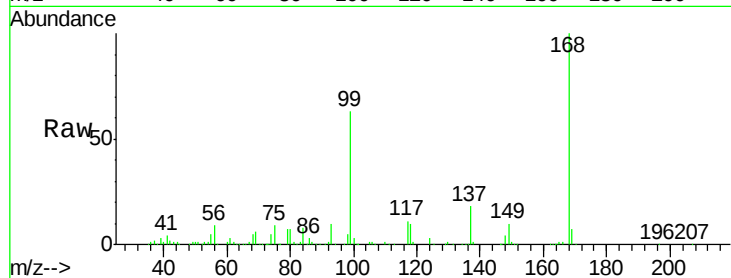
99 62.7 45.4 68.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

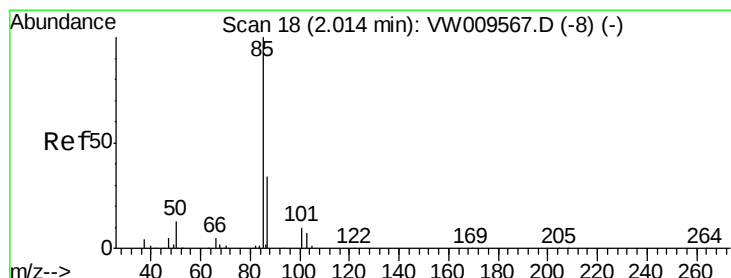
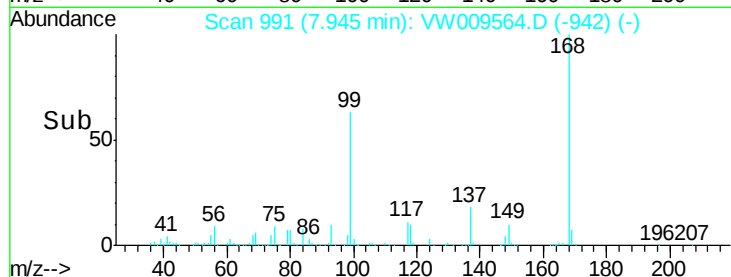
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 7.207 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009564.D

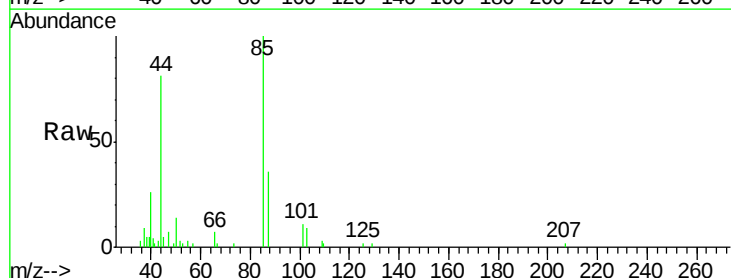
Acq: 29 Mar 2019 09:54

Tgt Ion: 85 Resp: 11859

Ion Ratio Lower Upper

85 100

87 36.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

3000

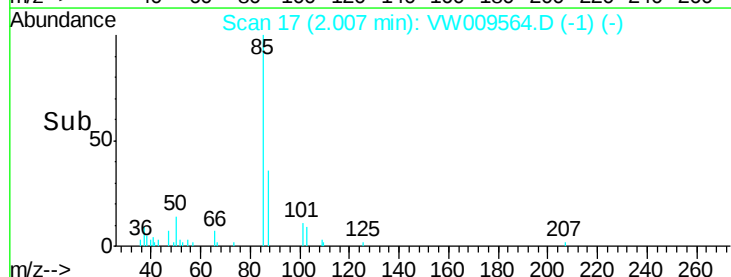
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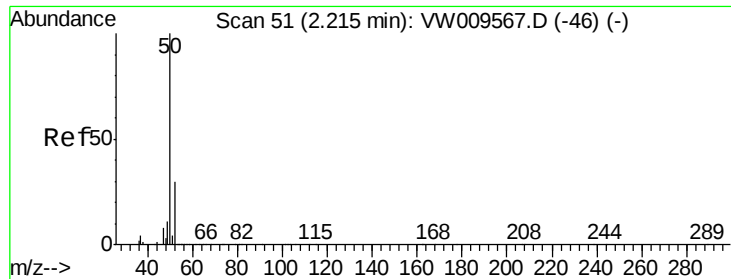
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 5.848 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12733

Ion Ratio Lower Upper

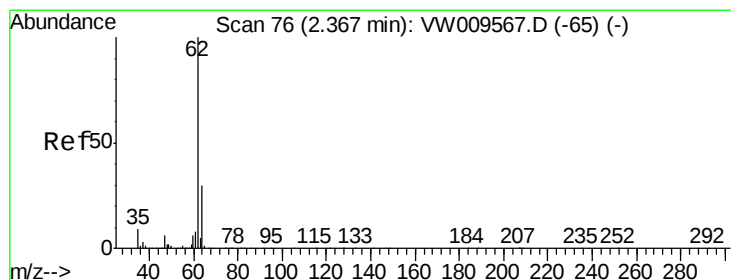
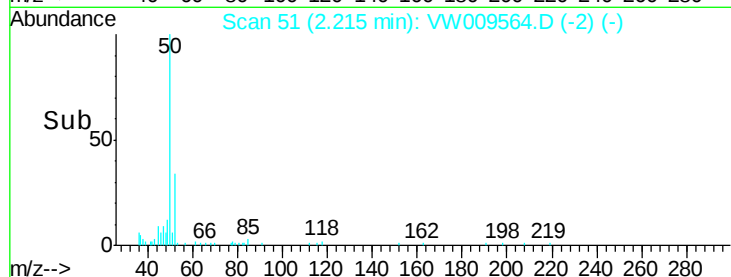
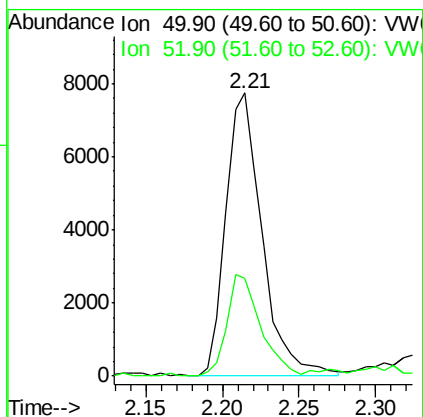
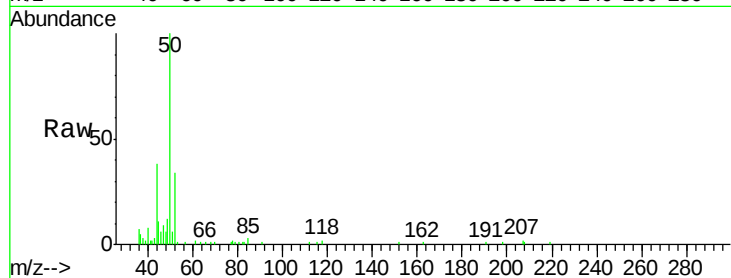
50 100

52 34.4 27.2 40.8

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#4

Vinyl Chloride

Concen: 5.911 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW009564.D

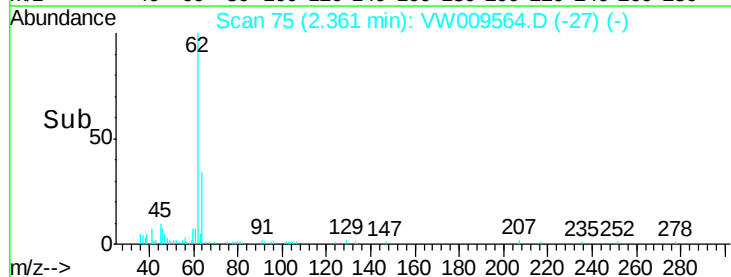
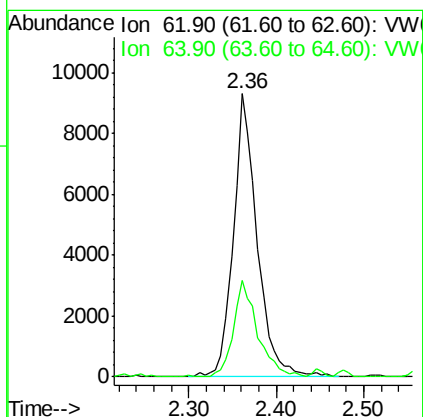
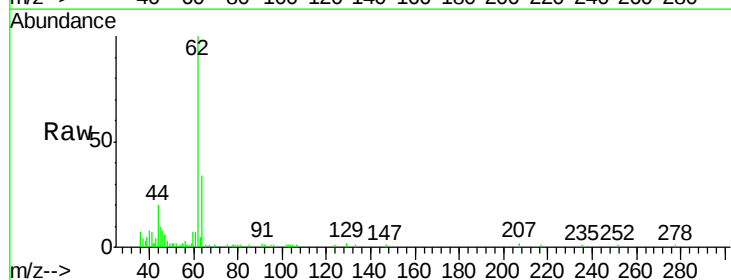
Acq: 29 Mar 2019 09:54

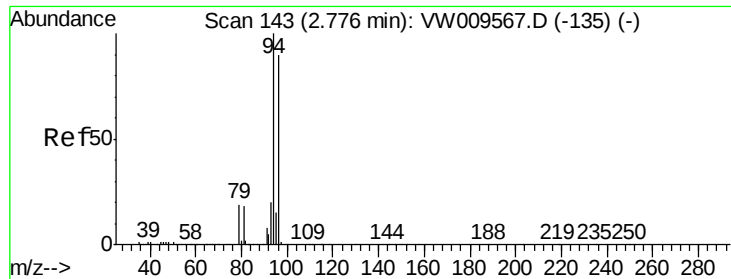
Tgt Ion: 62 Resp: 17665

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.2





#5

Bromomethane

Concen: 6.273 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14161

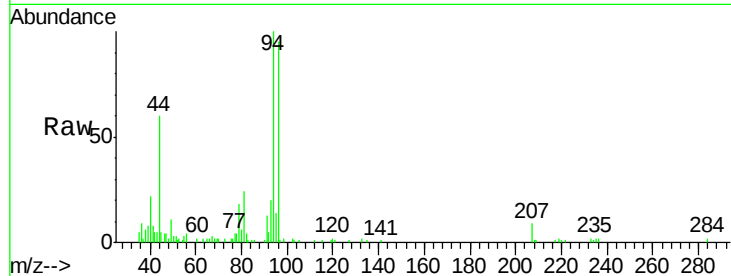
Ion Ratio Lower Upper

94 100

96 93.2 71.4 107.2

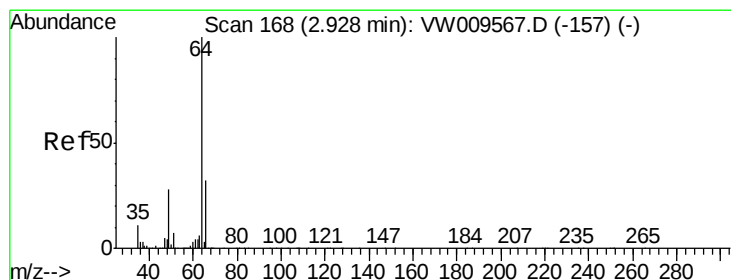
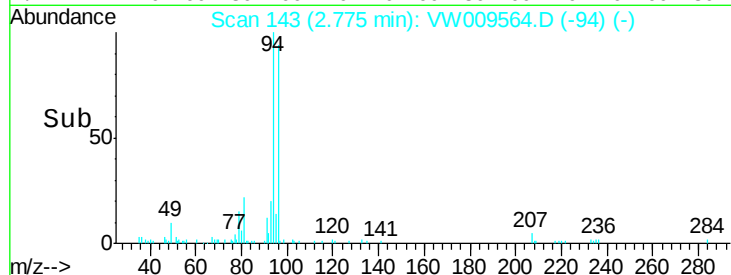
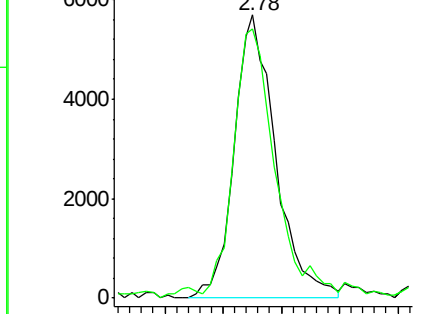
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 5.660 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009564.D

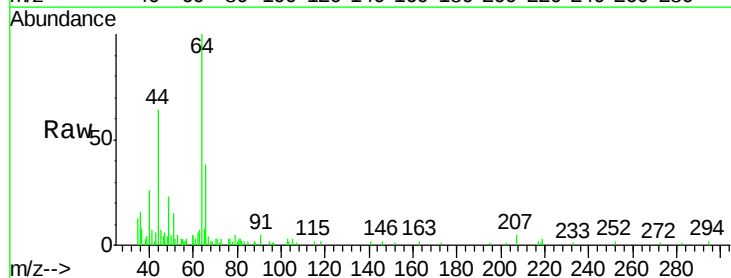
Acq: 29 Mar 2019 09:54

Tgt Ion: 64 Resp: 12787

Ion Ratio Lower Upper

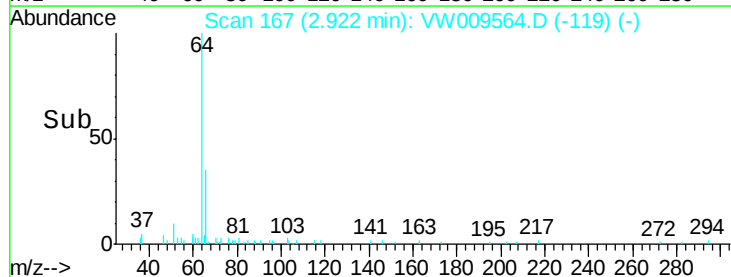
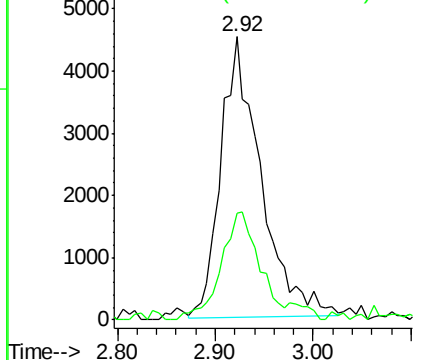
64 100

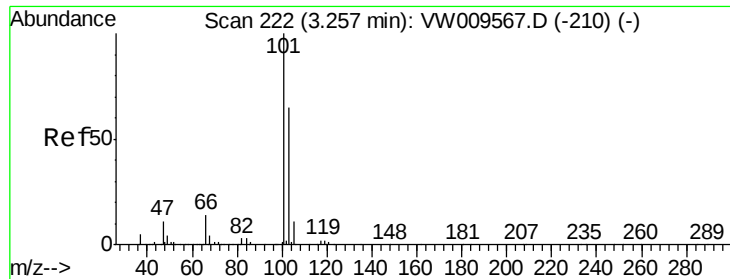
66 36.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

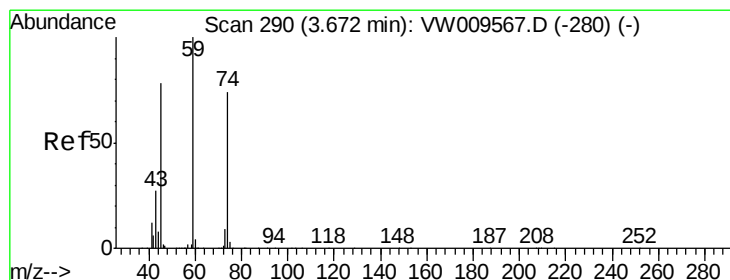
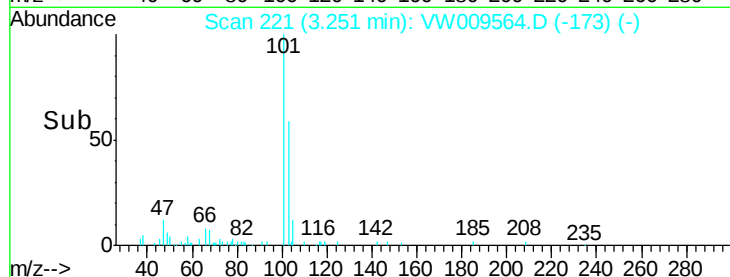
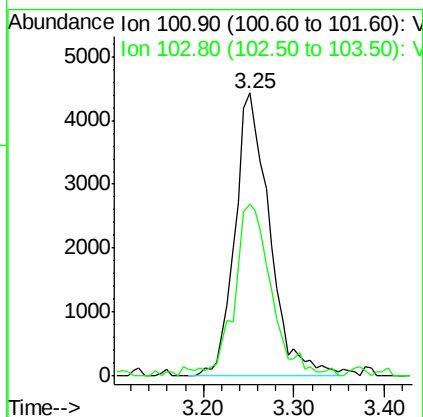
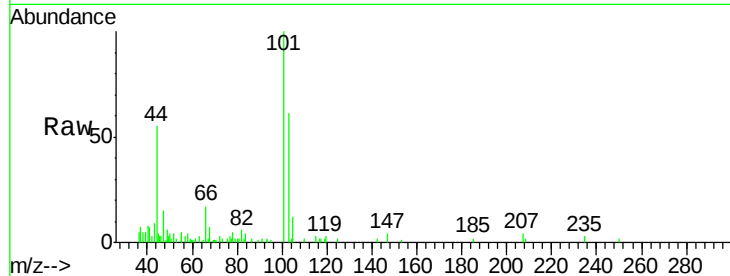
Trichlorofluoromethane
 Concen: 5.669 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	50.5	75.7

Manual Integrations
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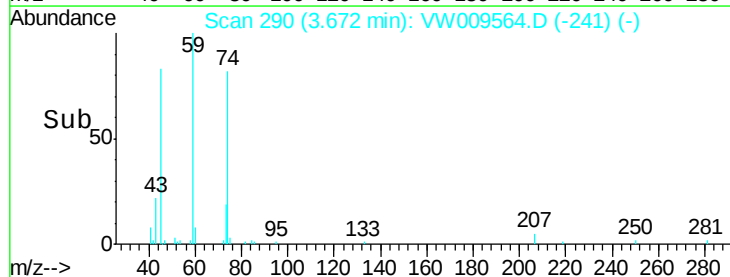
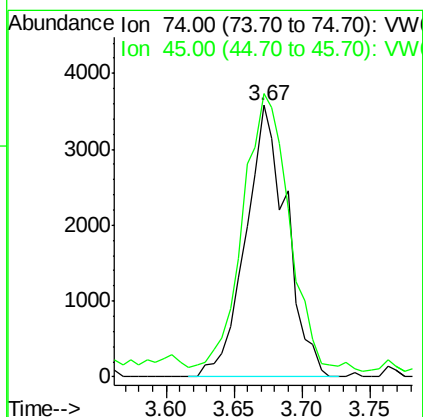
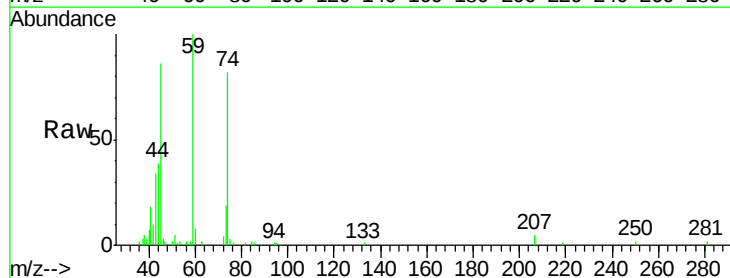
MMDadoda
 4/1/2019 4:04:43 AM

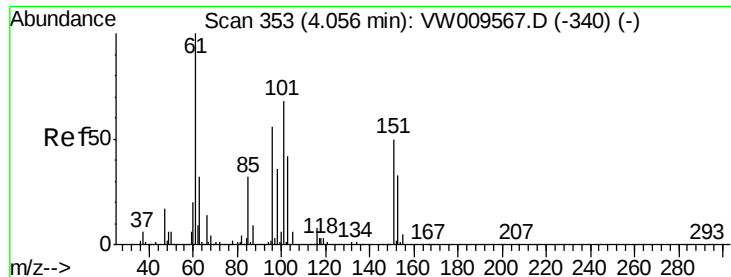


#8

Diethyl Ether
 Concen: 5.145 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.2	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.614 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

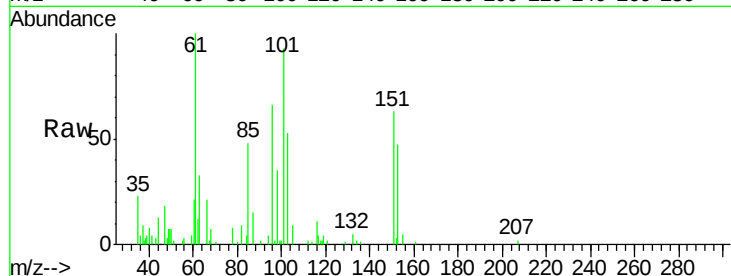
ClientSampleId :

VSTDIC005

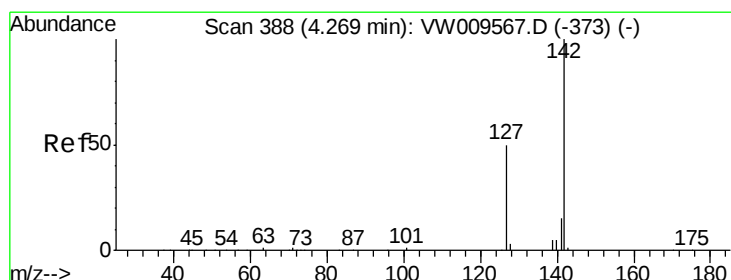
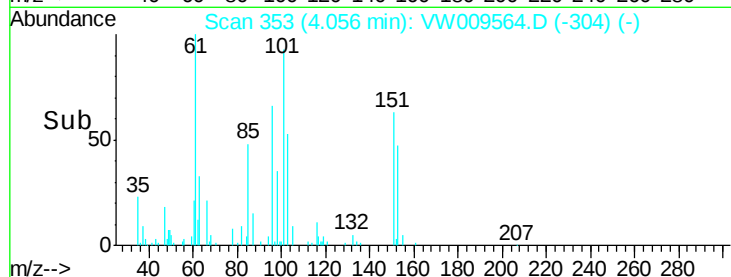
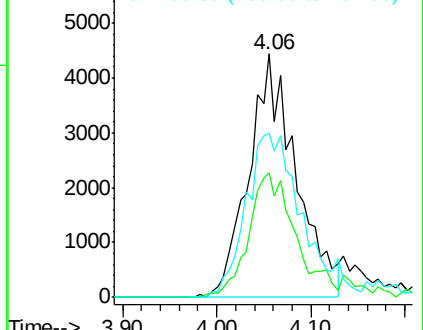
Tot Ion:	101	Resp:	15543
Ion Ratio	Lower	Upper	
101	100		
85	50.6	35.1	52.7
151	79.5	62.9	94.3

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



#10

Methyl Iodide

Concen: 5.455 ug/l

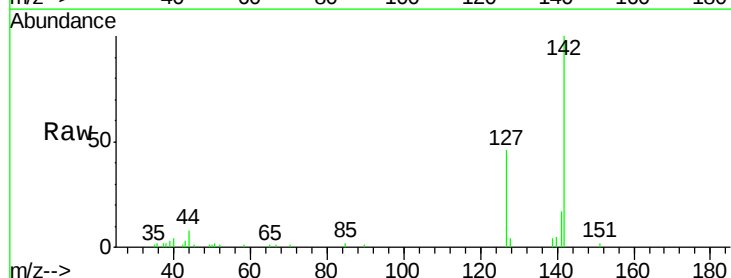
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

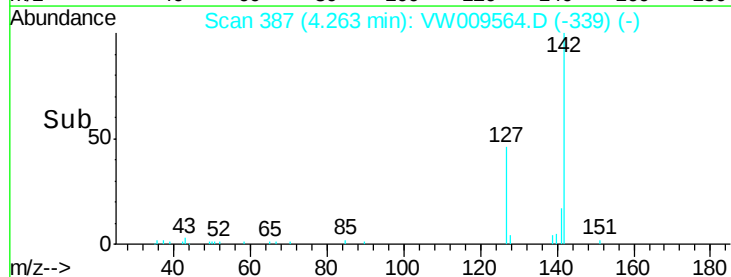
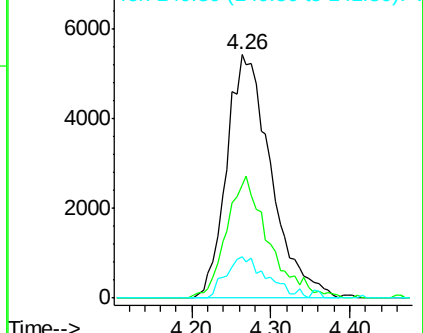
Lab File: VW009564.D

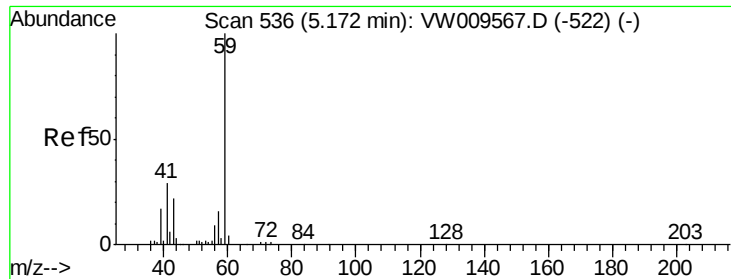
Acq: 29 Mar 2019 09:54

Tgt Ion:	142	Resp:	21215
Ion Ratio	Lower	Upper	
142	100		
127	47.7	35.9	53.9
141	15.9	11.4	17.2



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





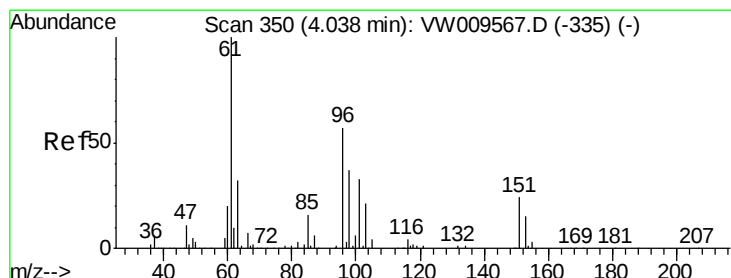
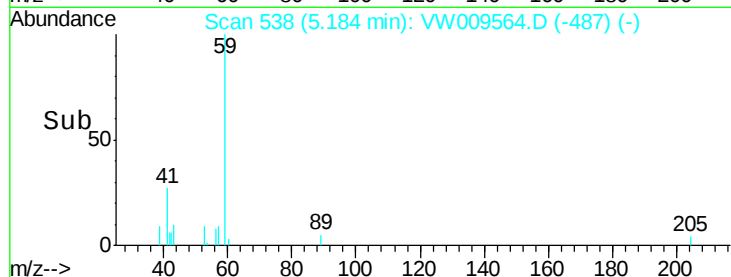
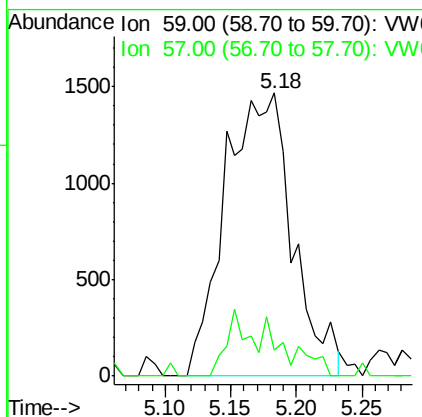
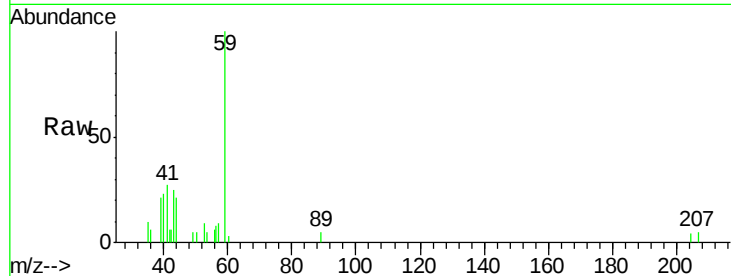
#11
Tert butvl alcohol
Concen: 29.037 ug/l m
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 5236
Ion Ratio Lower Upper
59 100
57 3.4 9.4 14.0#

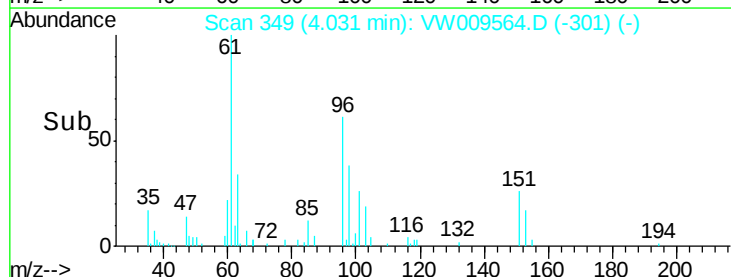
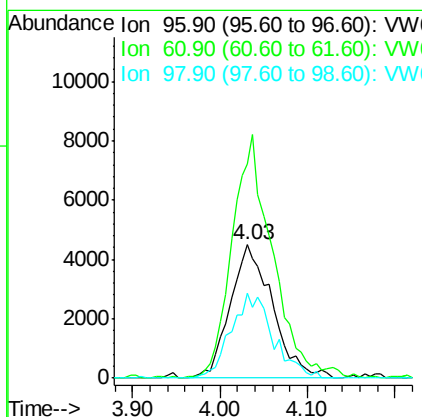
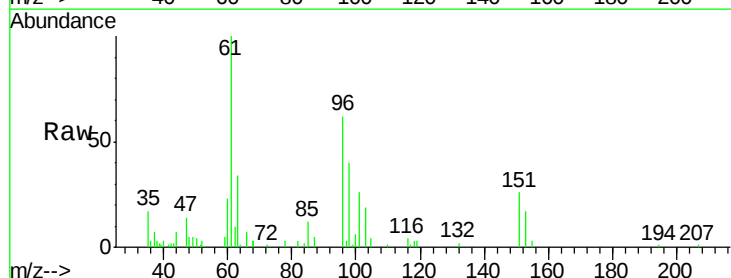
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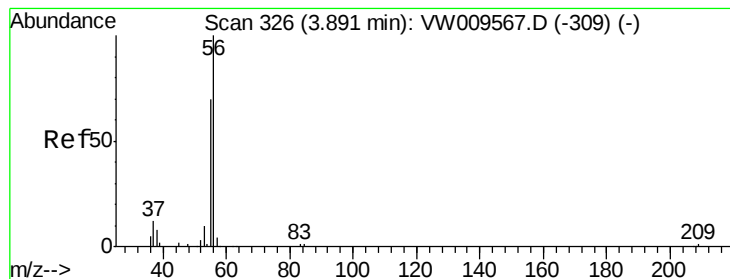
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.752 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 96 Resp: 15111
Ion Ratio Lower Upper
96 100
61 159.9 138.0 207.0
98 64.1 49.8 74.8





#13

Acrolein

Concen: 25.646 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3500

Ion Ratio Lower Upper

56 100

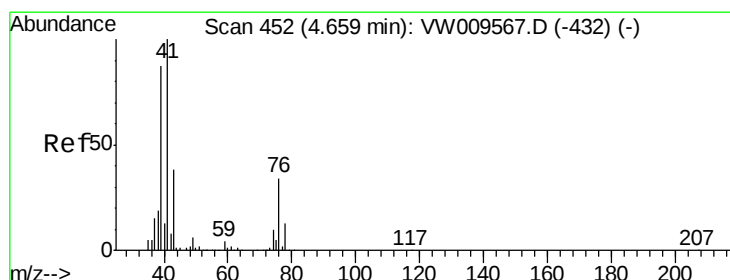
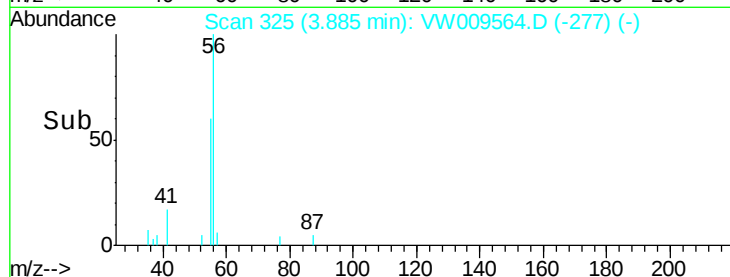
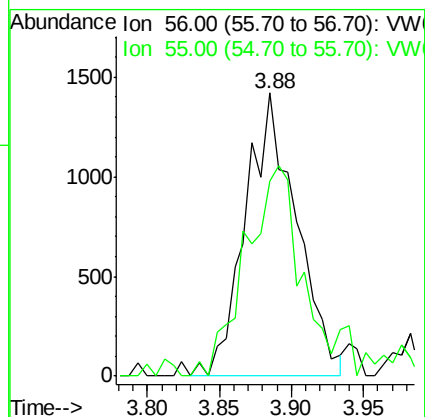
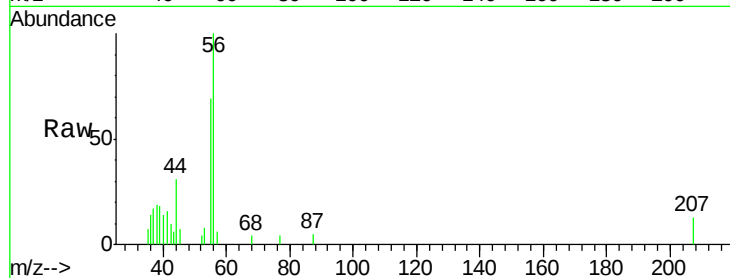
55 79.4 55.2 82.8

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#14

Allyl chloride

Concen: 5.327 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

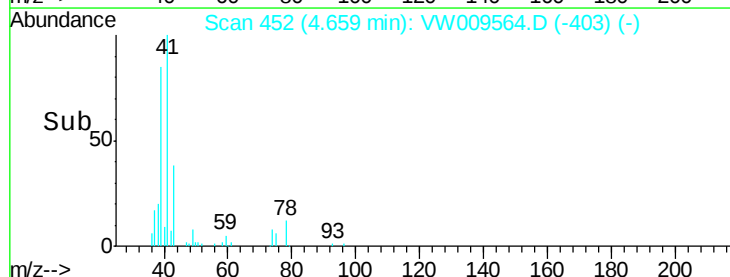
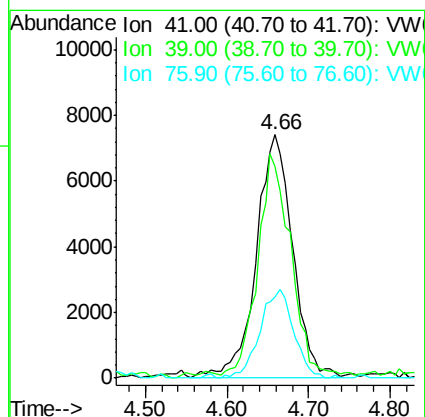
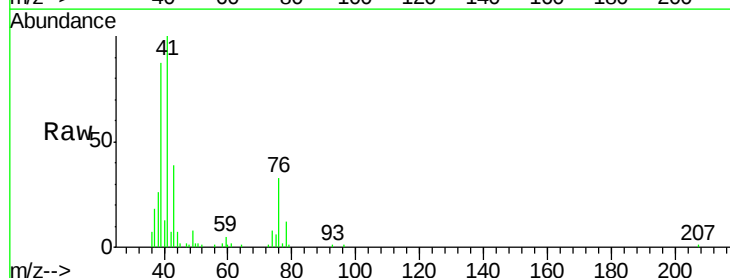
Tgt Ion: 41 Resp: 23081

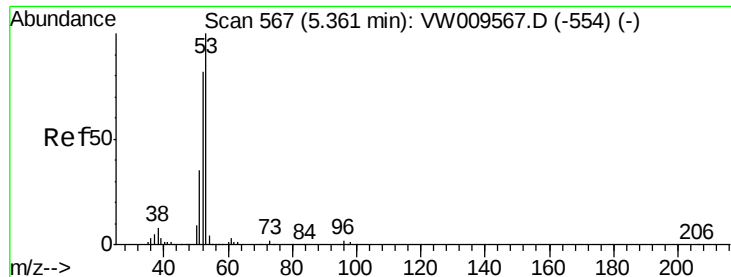
Ion Ratio Lower Upper

41 100

39 81.1 63.8 95.6

76 33.5 27.8 41.6





#15

Acrylonitrile

Concen: 26.710 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

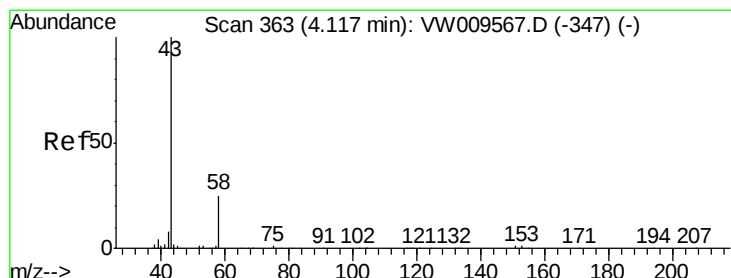
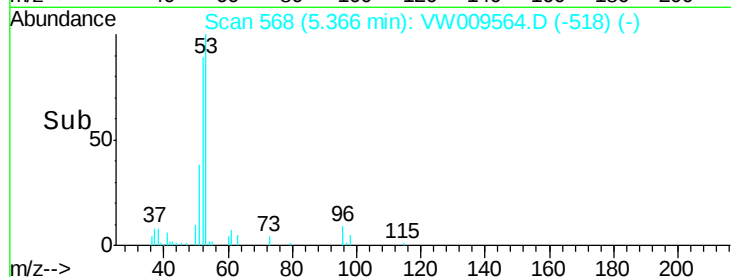
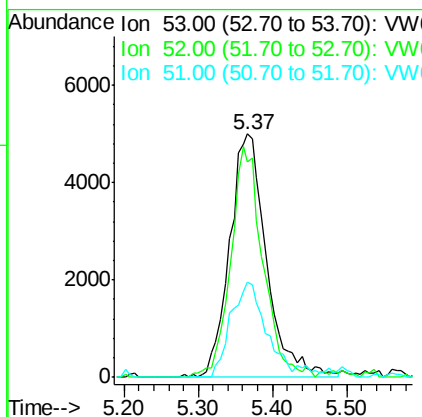
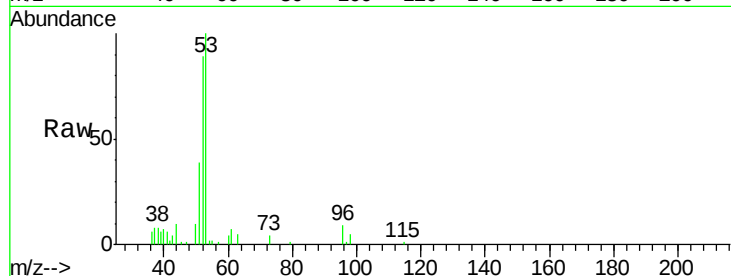
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17341
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.6	101.4
51	37.2	30.6	45.8

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#16

Acetone

Concen: 28.102 ug/l

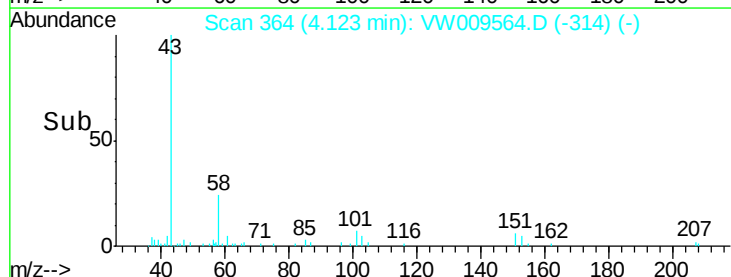
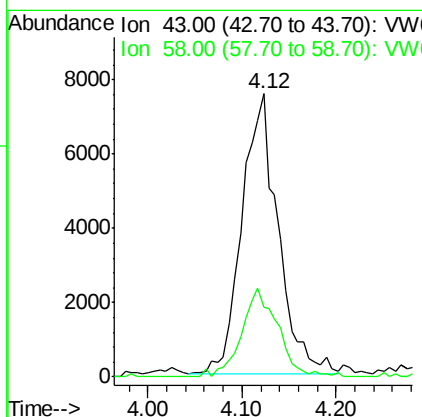
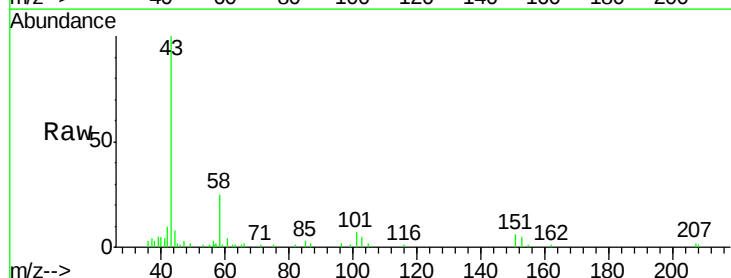
RT: 4.12 min Scan# 364

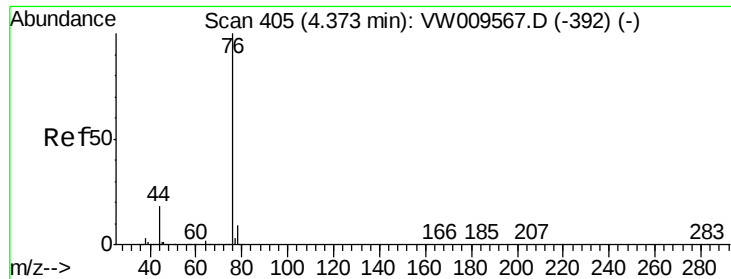
Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion:	43	Resp:	20423
Ion	Ratio	Lower	Upper
43	100		
58	24.9	23.6	35.4





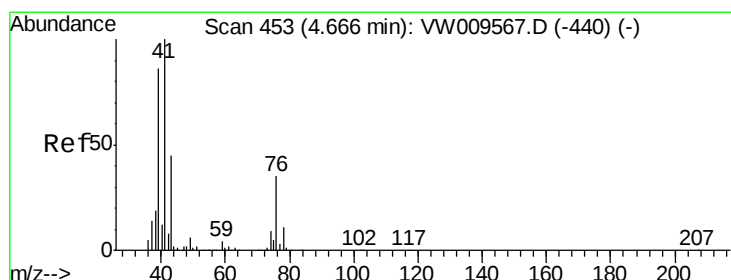
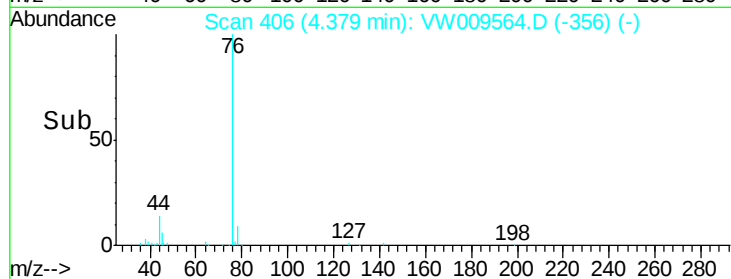
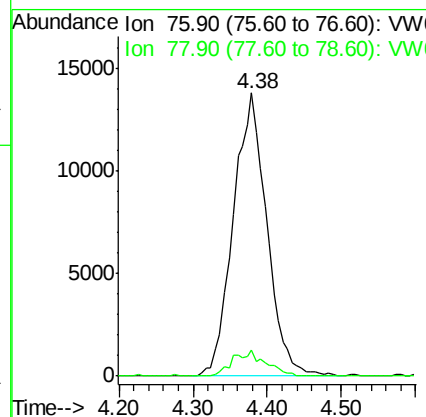
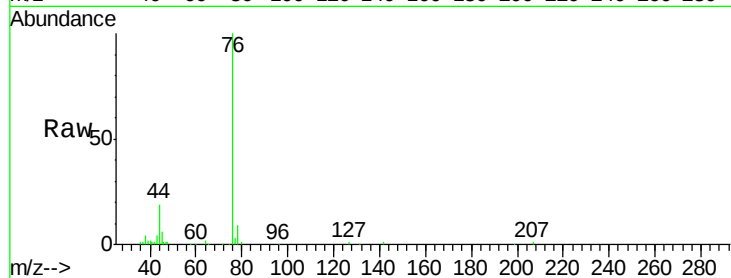
#17
Carbon Disulfide
Concen: 5.951 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	9.8

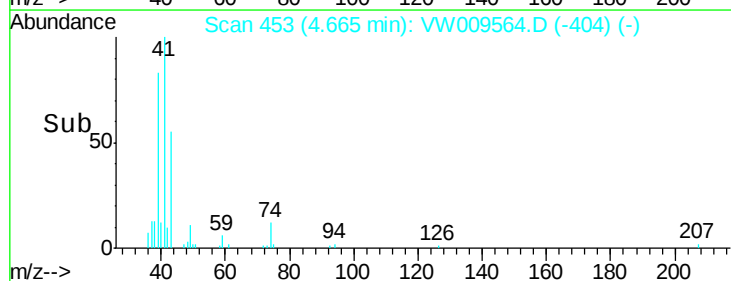
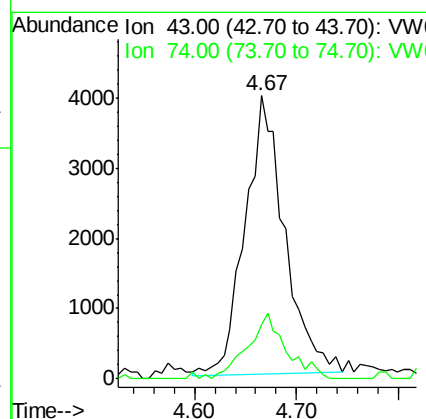
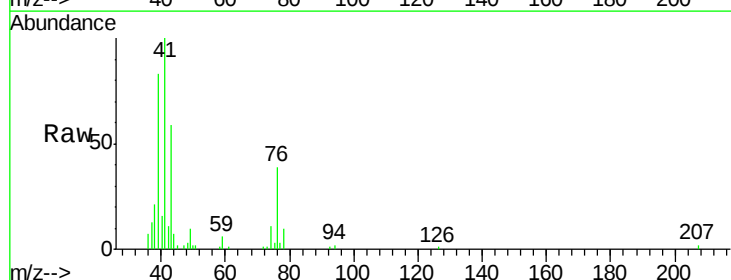
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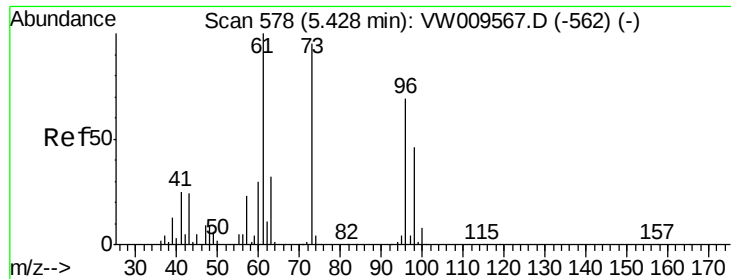
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#18
Methyl Acetate
Concen: 6.324 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5





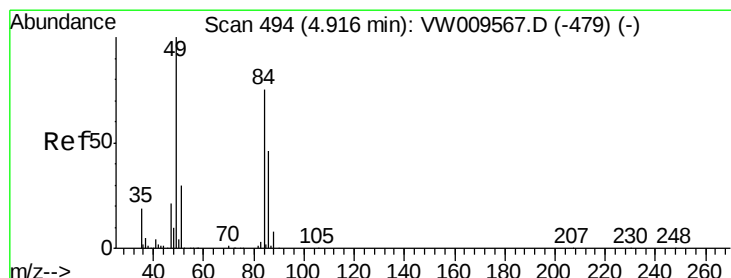
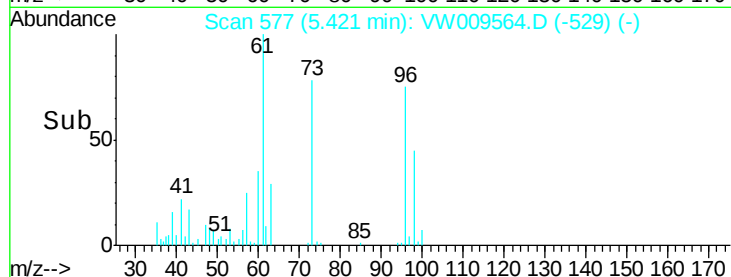
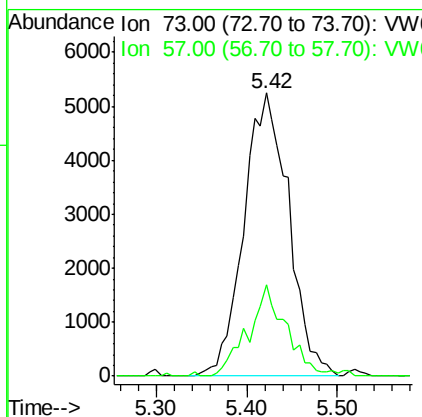
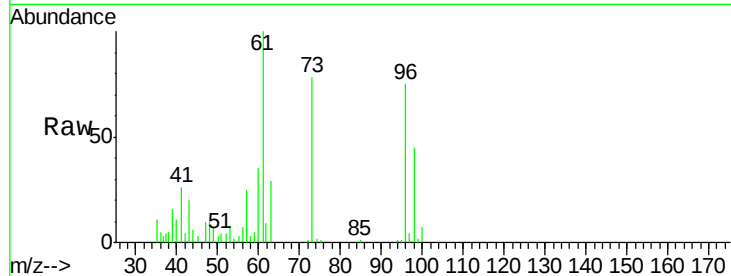
#19
Methvl tert-butvl Ether
Concen: 4.740 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 17992
Ion Ratio Lower Upper
73 100
57 32.2 17.0 25.6#

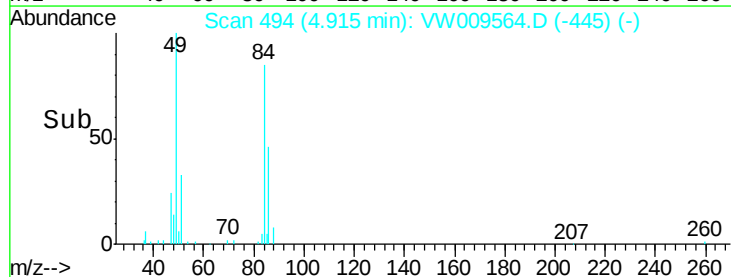
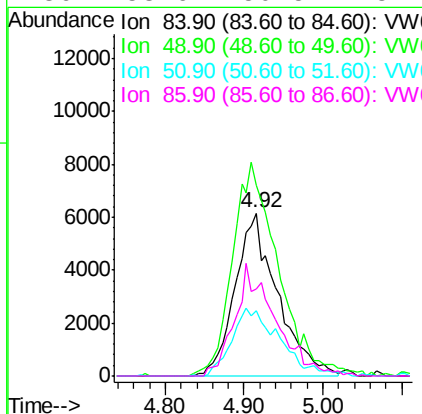
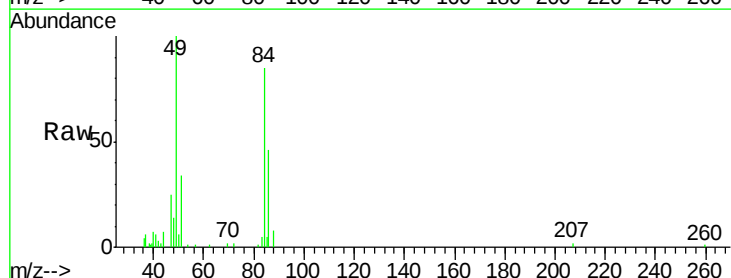
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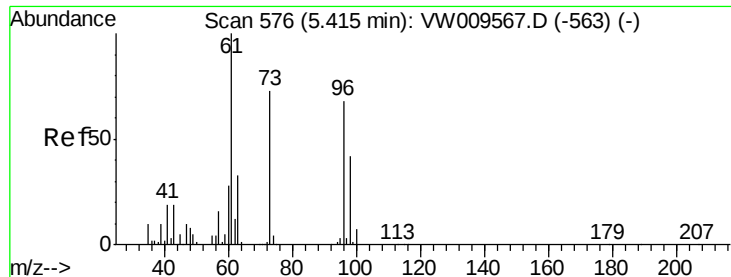
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#20
Methylene Chloride
Concen: 7.996 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 84 Resp: 22927
Ion Ratio Lower Upper
84 100
49 117.1 99.1 148.7
51 39.9 28.7 43.1
86 53.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 5.471 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

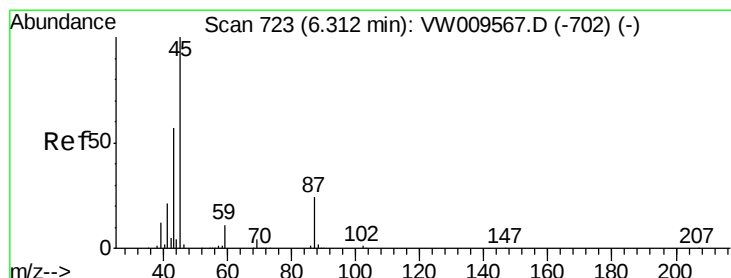
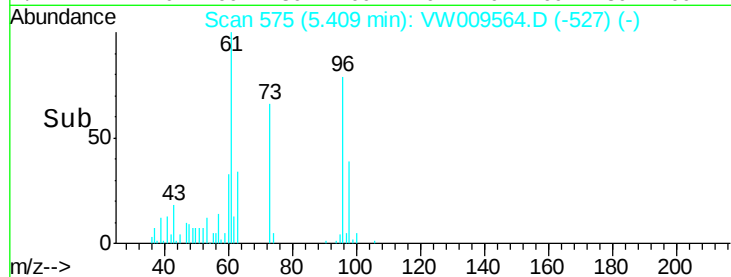
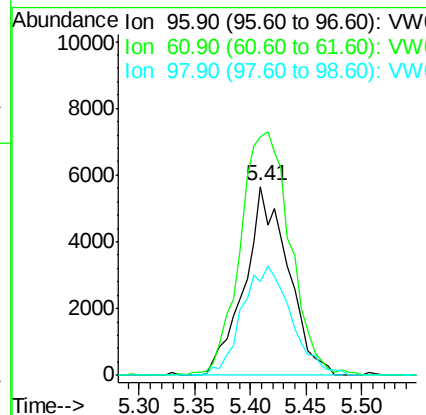
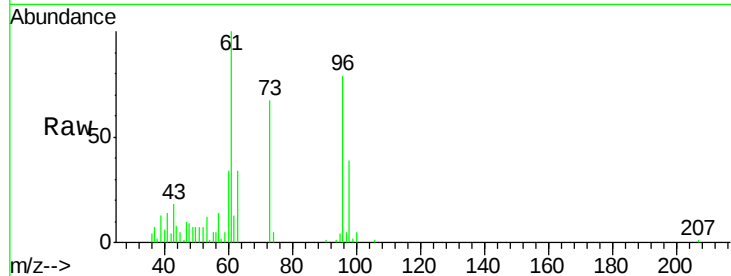
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	15446
Ion	Ratio	Lower	Upper
96	100		
61	124.2	108.2	162.4
98	49.5	50.9	76.3#

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#22

Diisopropyl ether

Concen: 4.672 ug/l

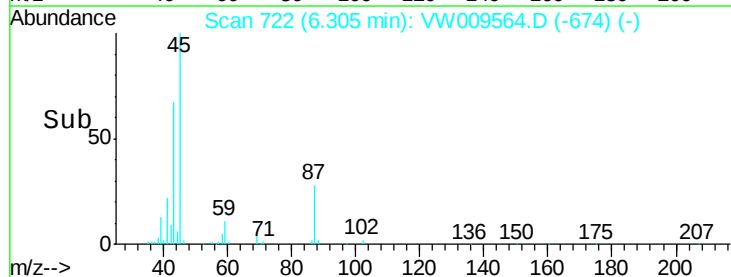
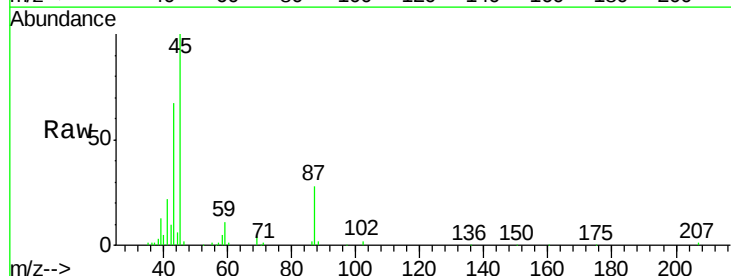
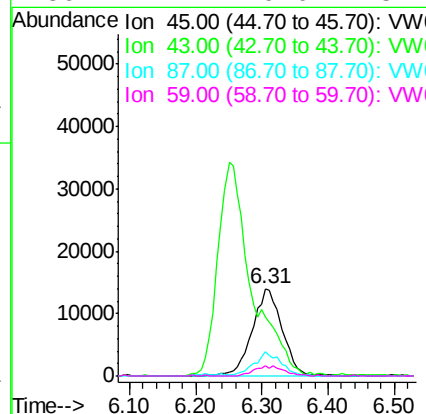
RT: 6.31 min Scan# 722

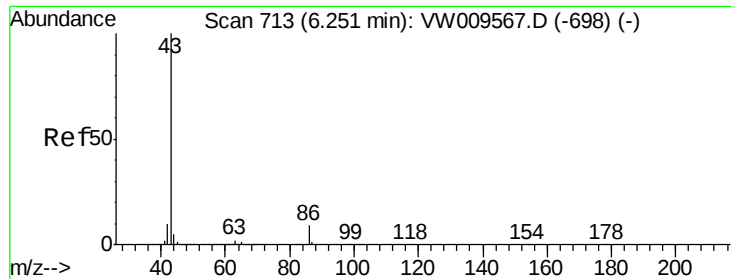
Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion:	45	Resp:	44227
Ion	Ratio	Lower	Upper
45	100		
43	64.6	47.9	71.9
87	27.6	20.6	30.8
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 20.228 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 120681

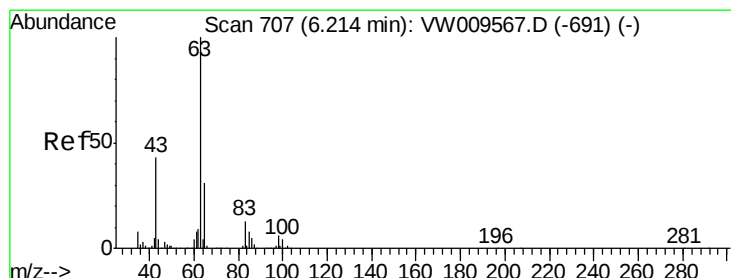
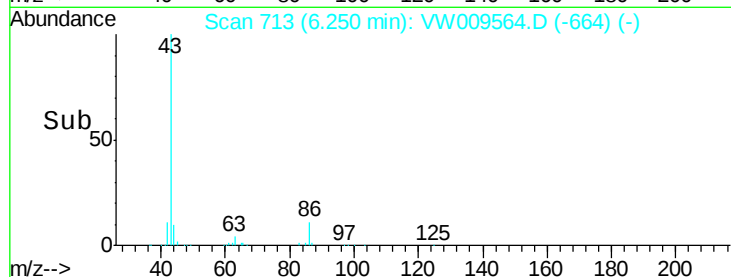
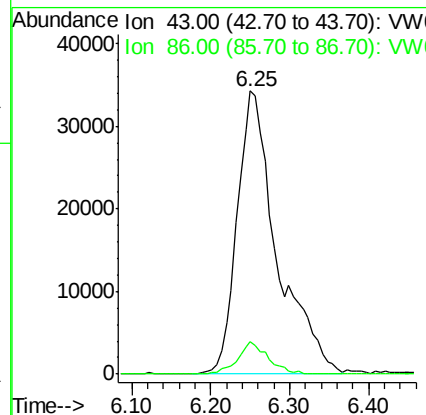
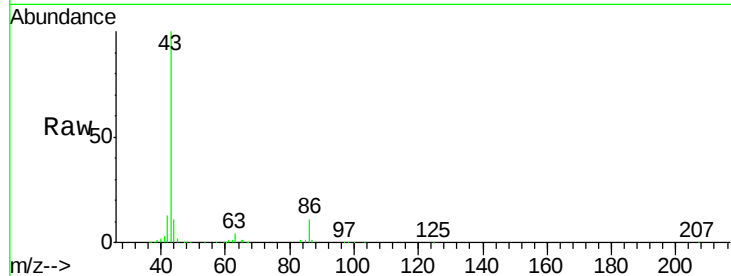
Ion Ratio Lower Upper

43 100

86 11.4 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 5.430 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

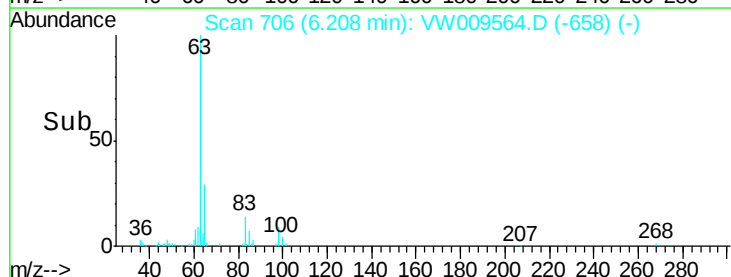
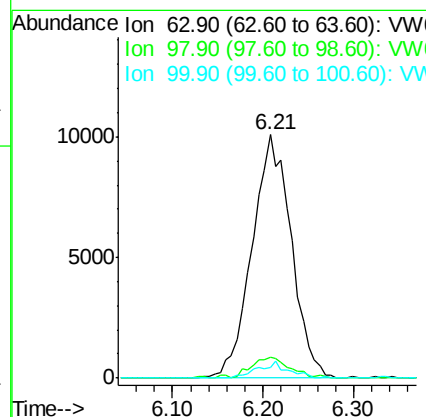
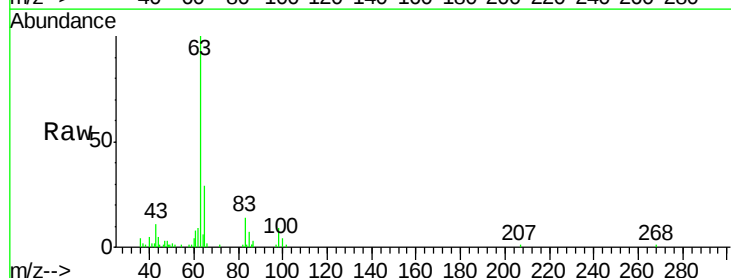
Tgt Ion: 63 Resp: 30117

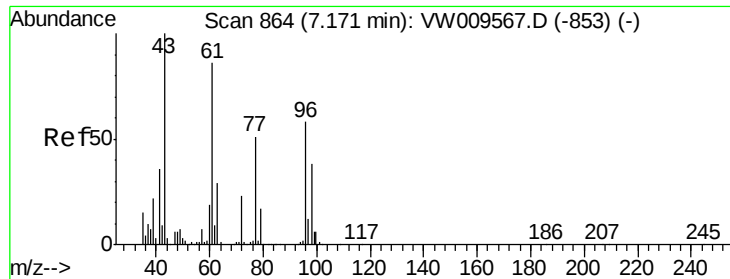
Ion Ratio Lower Upper

63 100

98 8.6 3.7 11.1

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 23.580 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23331

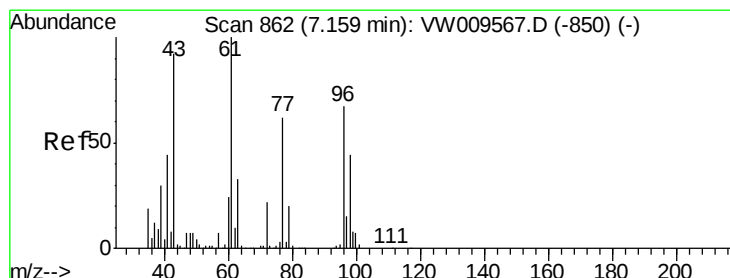
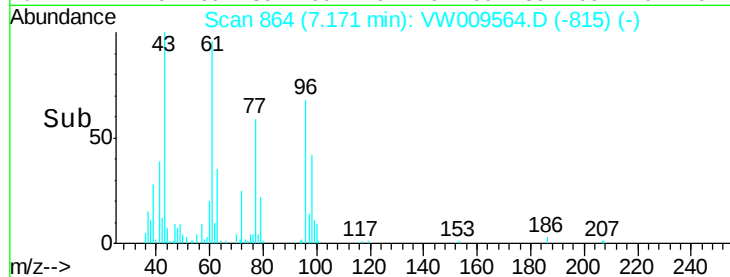
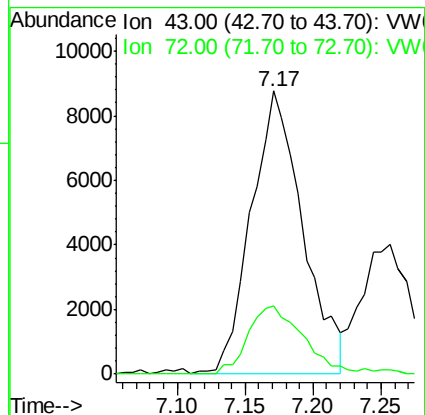
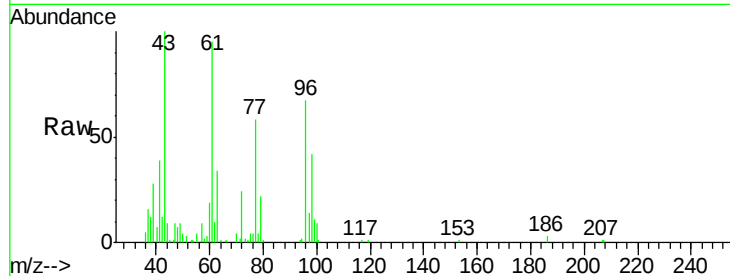
Ion Ratio Lower Upper

43 100

72 24.2 20.0 30.0

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#26

2,2-Dichloropropane

Concen: 5.654 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW009564.D

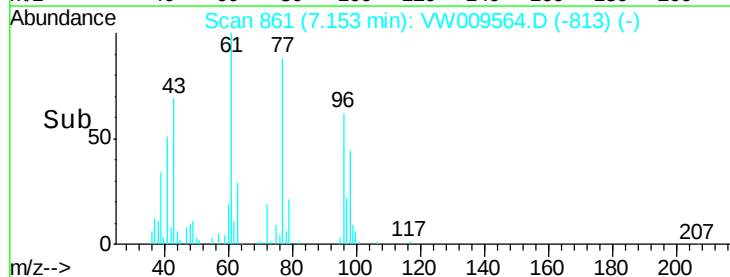
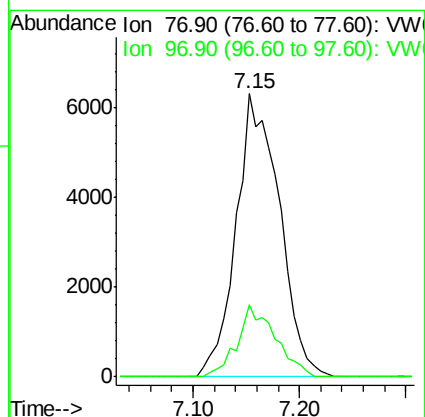
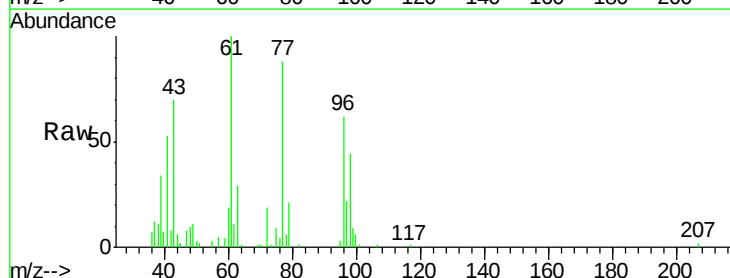
Acq: 29 Mar 2019 09:54

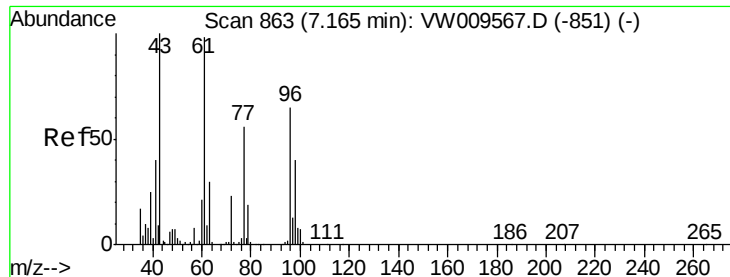
Tgt Ion: 77 Resp: 17941

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





#27

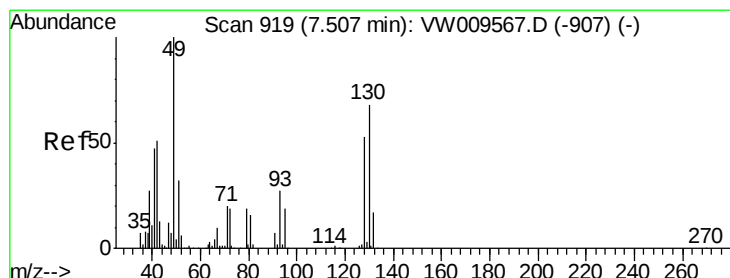
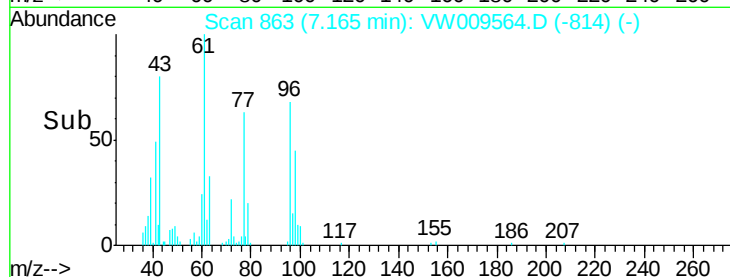
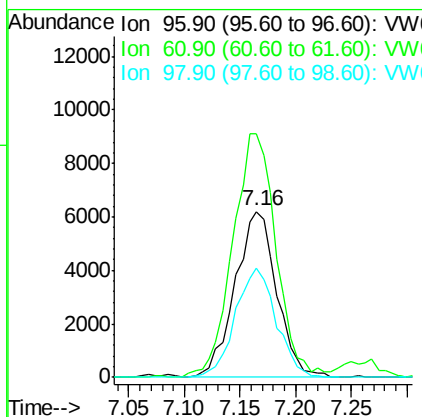
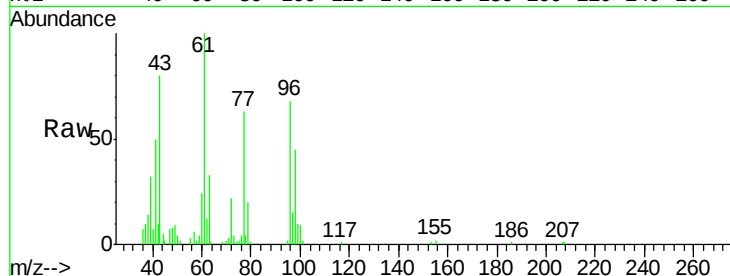
cis-1,2-Dichloroethene
Concen: 5.160 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	289.8
98	64.4	0.0	130.8

Manual Integrations
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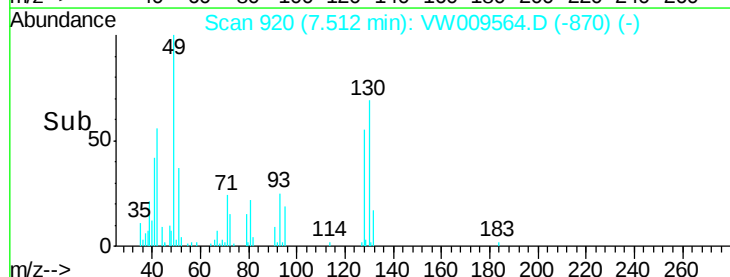
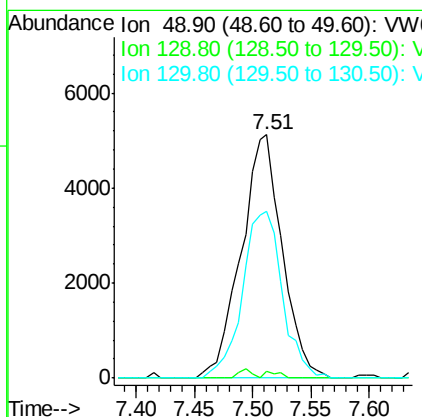
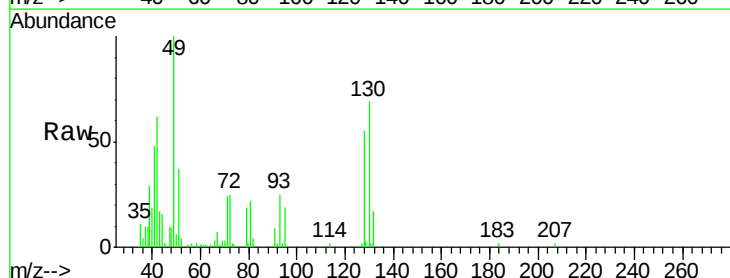
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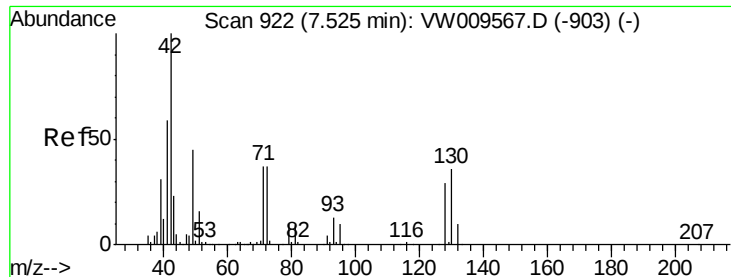


#28

Bromochloromethane
Concen: 5.360 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	66.7	58.6	88.0





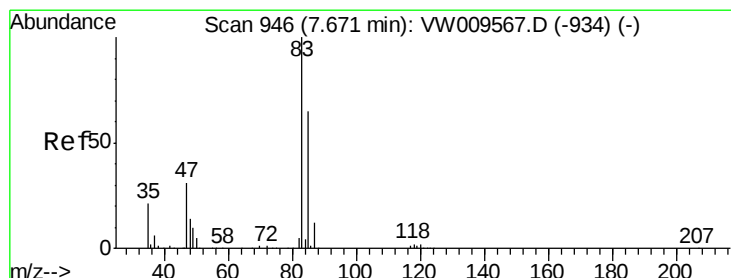
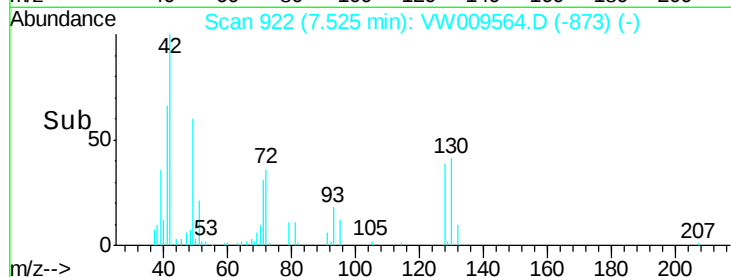
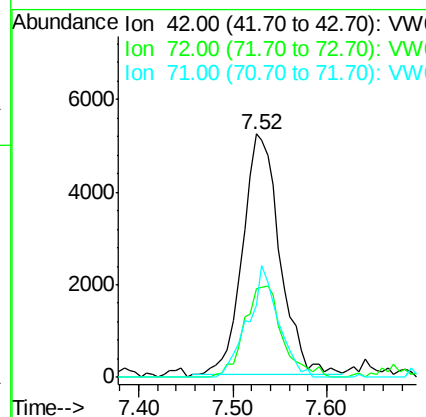
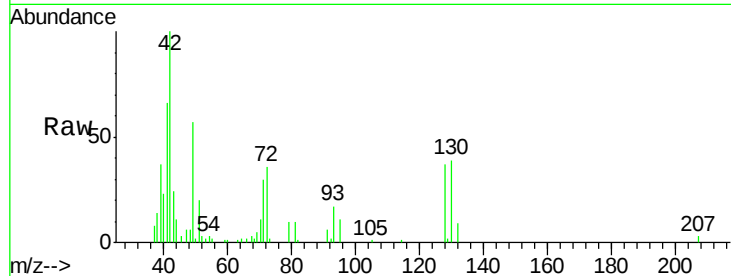
#29
Tetrahydrofuran
Concen: 23.248 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	32.4	48.6
71	37.7	30.1	45.1

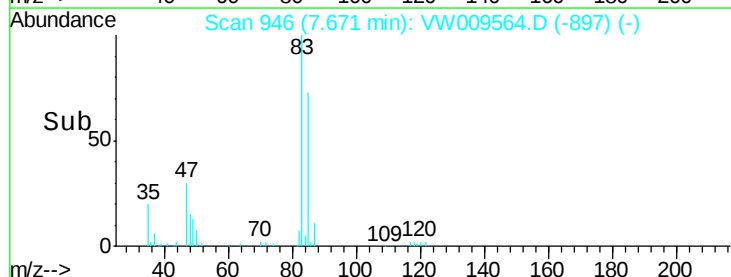
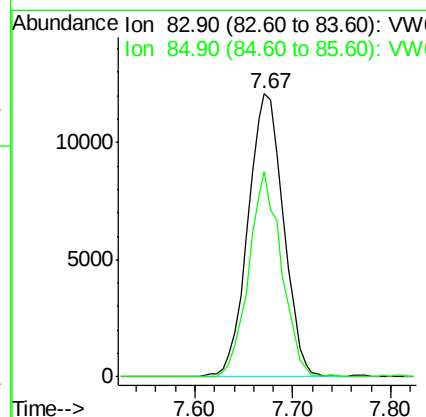
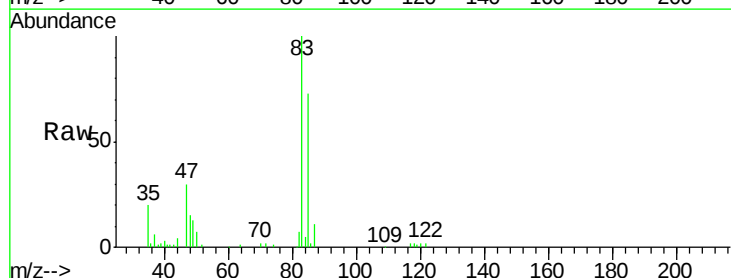
Manual Integrations
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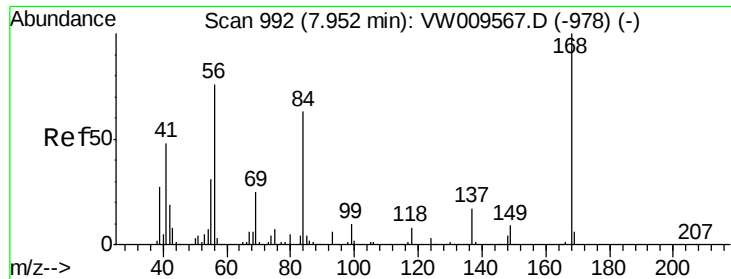
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#30
Chloroform
Concen: 5.320 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.5	51.0	76.6





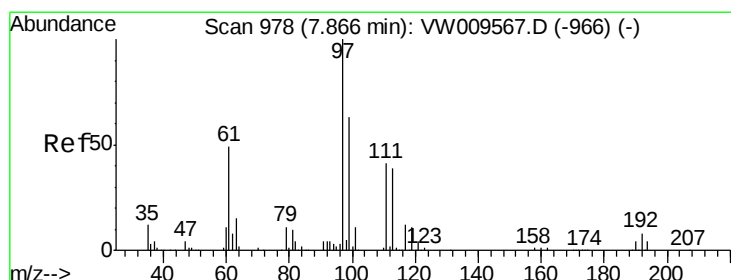
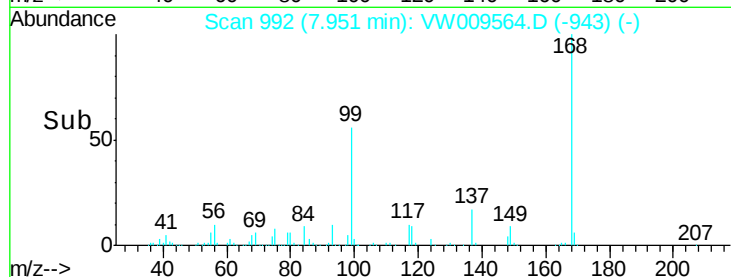
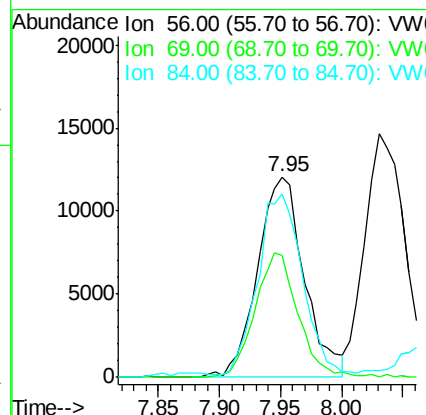
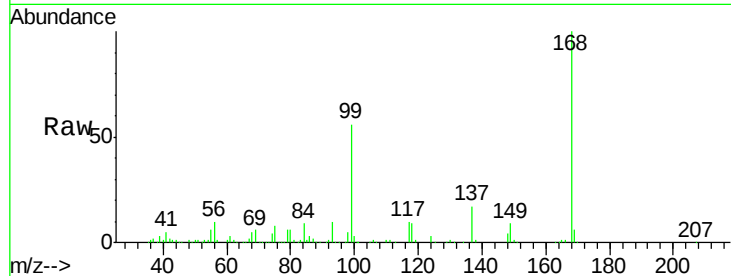
#31
Cyclohexane
Concen: 6.485 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	60.7	26.1	39.1#
84	89.3	68.6	103.0

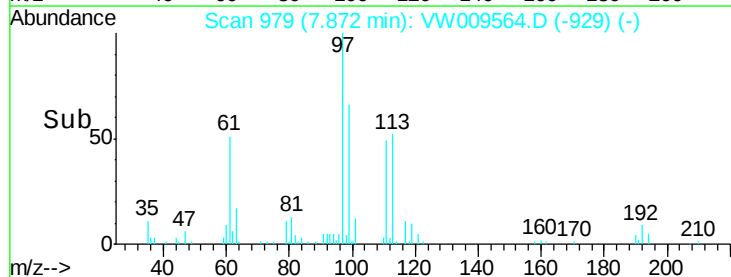
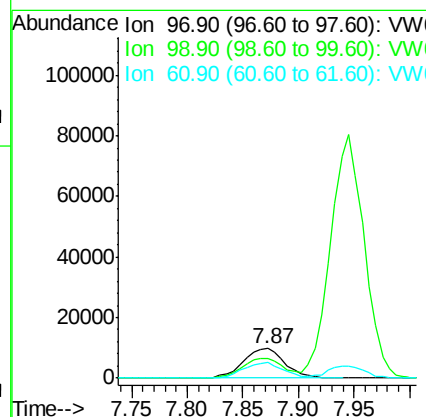
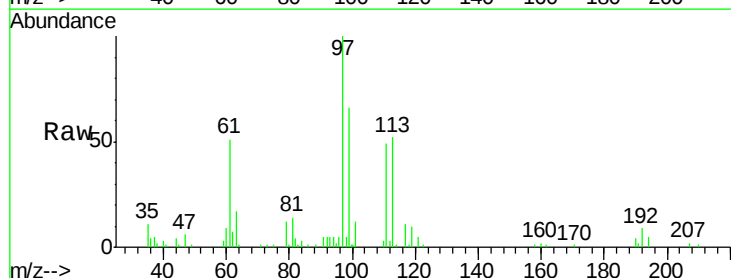
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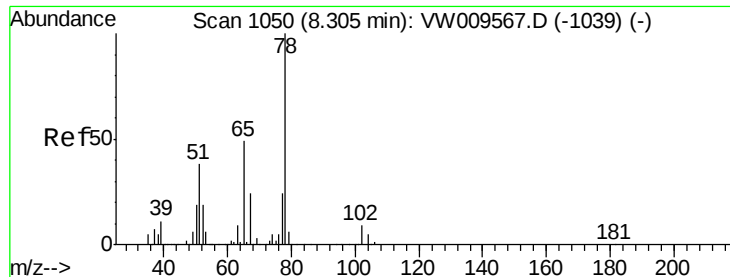
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#32
1,1,1-Trichloroethane
Concen: 5.486 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.9	77.9
61	50.6	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 4.879 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 15935

Ion Ratio Lower Upper

65 100

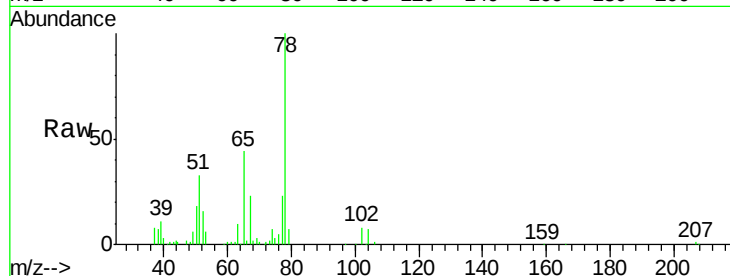
67 53.5 0.0 102.4

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

6000

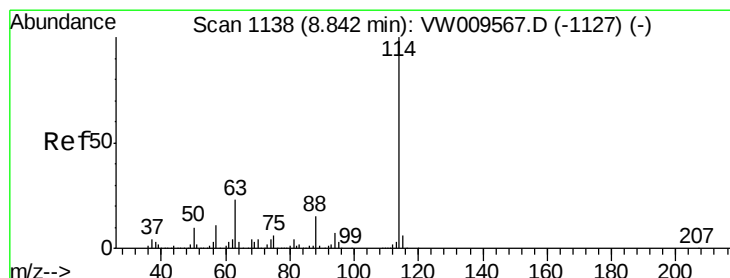
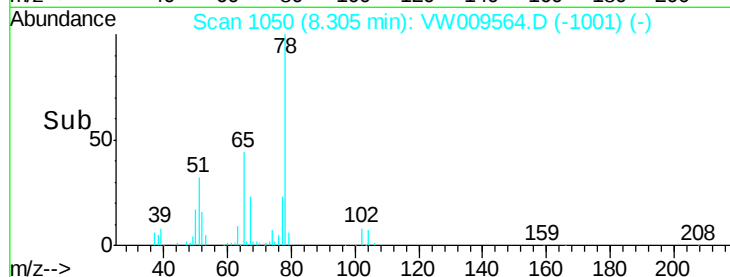
4000

2000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

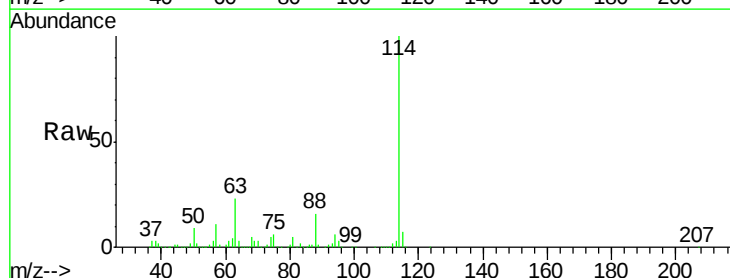
Tgt Ion: 114 Resp: 444342

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.2

88 16.1 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

300000

250000

200000

150000

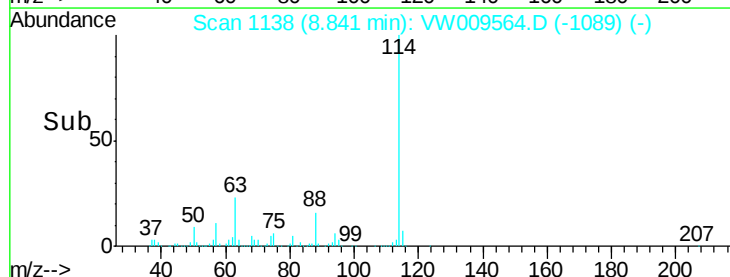
100000

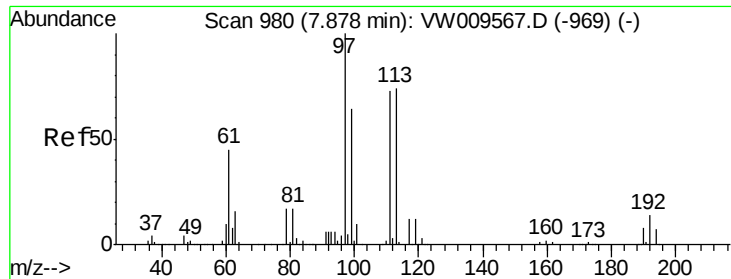
50000

0

8.80 8.90

Time-->





#35

Dibromofluoromethane

Concen: 5.150 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

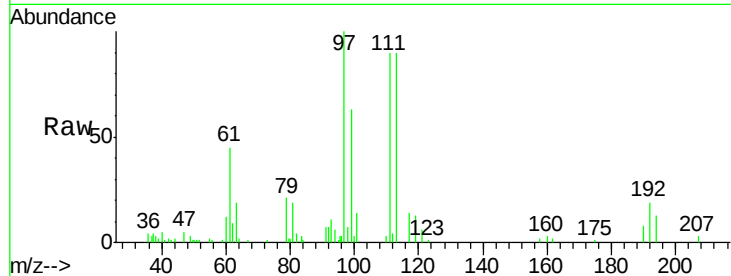
ClientSampleId :

VSTDIC005

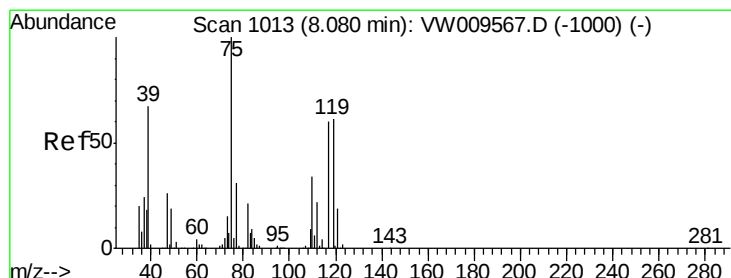
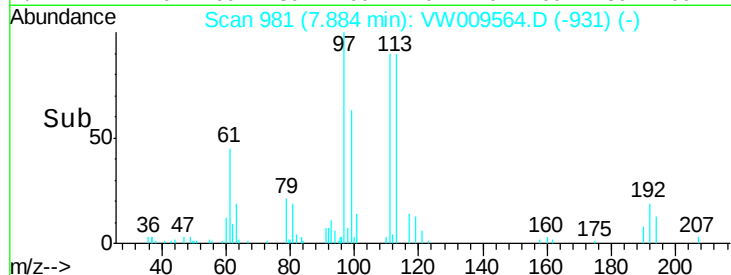
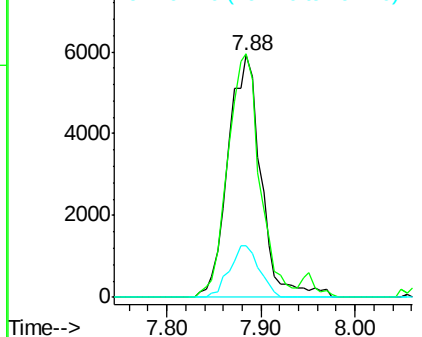
Tot Ion:	113	Resp:	14445
Ion	Ratio	Lower	Upper
113	100		
111	97.4	82.6	124.0
192	19.2	16.4	24.6

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.135 ug/l

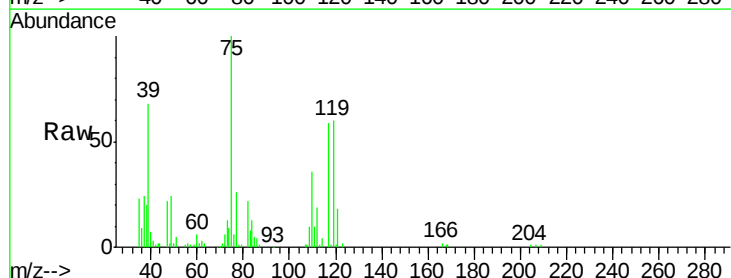
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

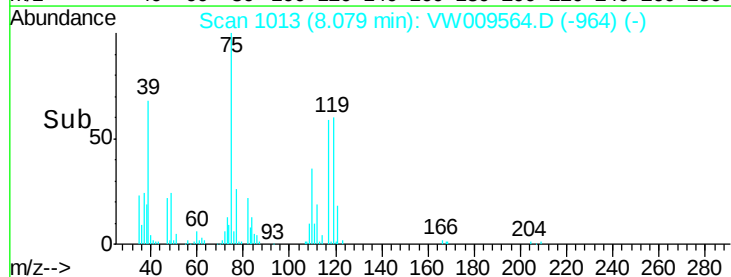
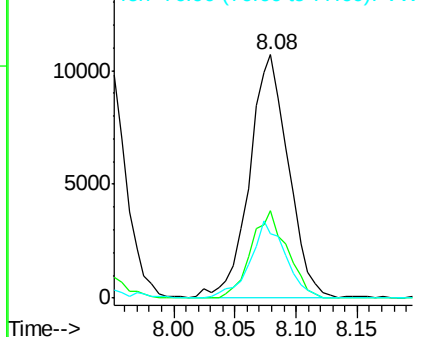
Lab File: VW009564.D

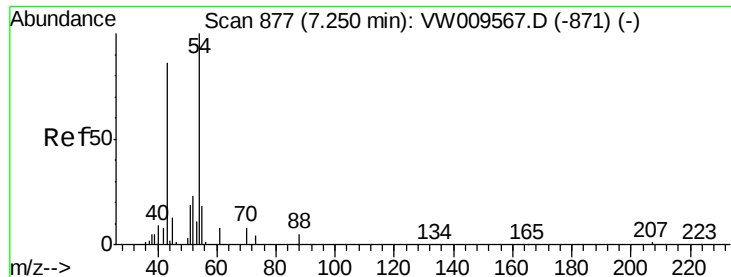
Acq: 29 Mar 2019 09:54

Tgt Ion:	75	Resp:	23749
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.8	50.4
77	28.8	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





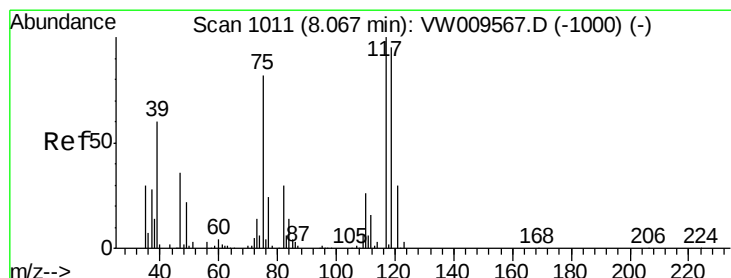
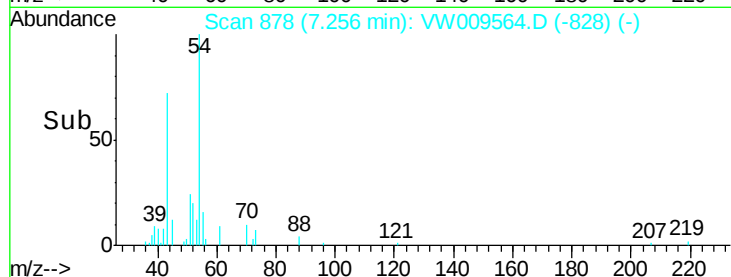
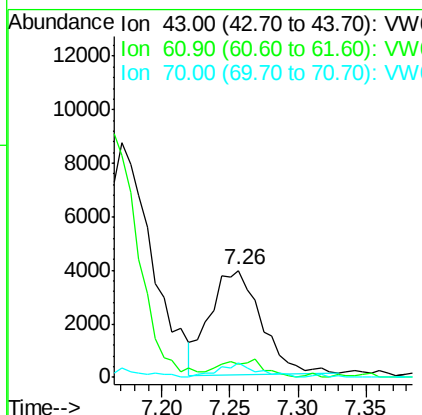
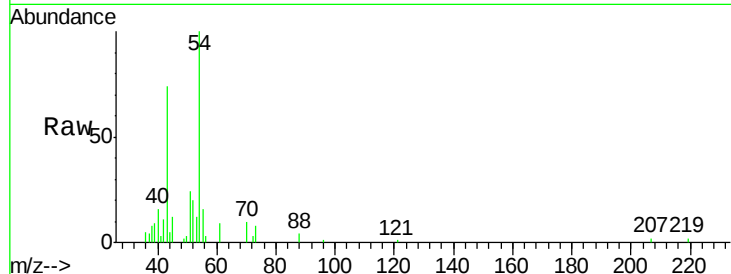
#37
Ethyl Acetate
Concen: 4.710 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.0	15.0
70	10.1	7.3	10.9

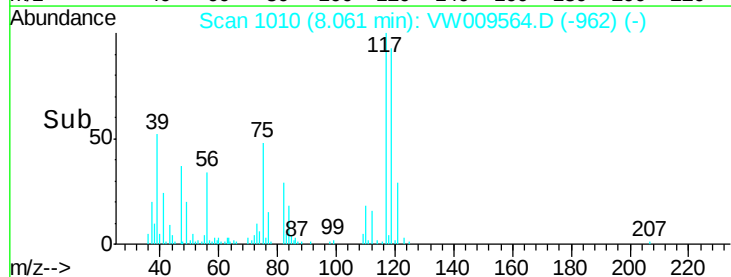
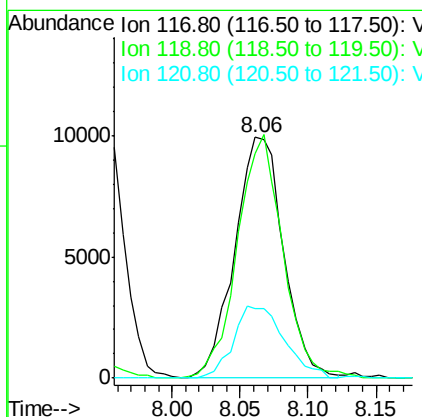
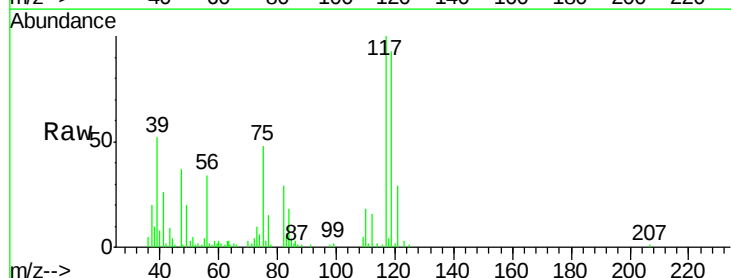
Manual Integrations
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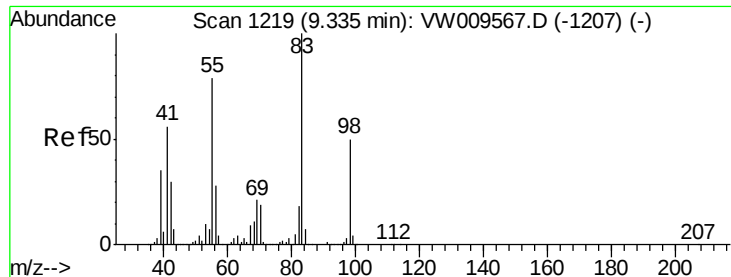
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#38
Carbon Tetrachloride
Concen: 5.322 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.4	113.0
121	29.1	24.9	37.3





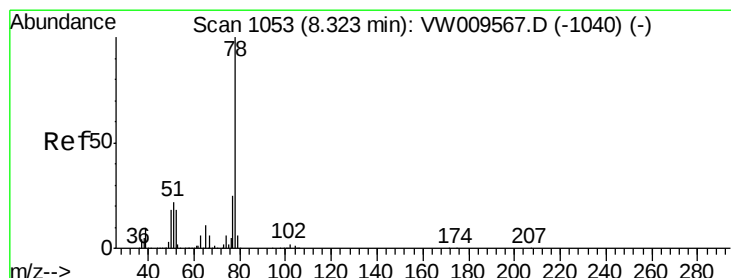
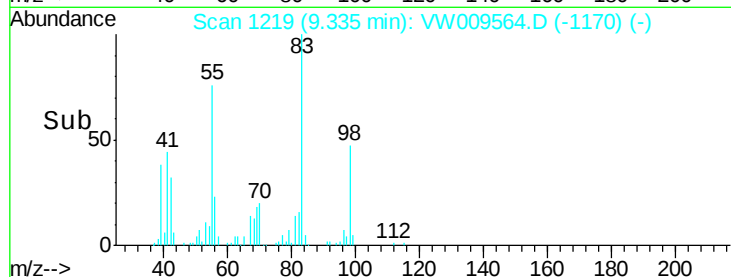
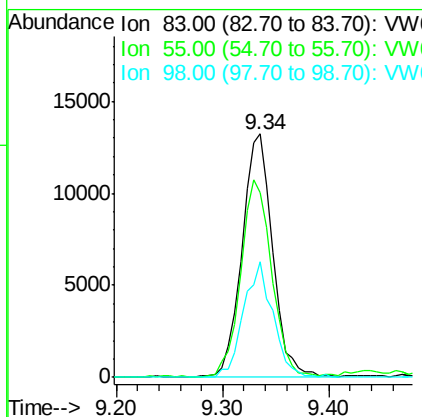
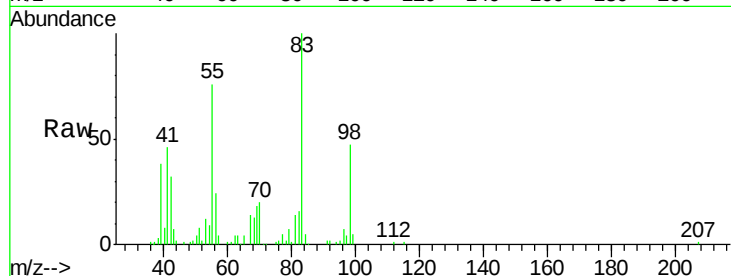
#39
Methvlcvclohexane
Concen: 5.026 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.1	91.7
98	47.5	39.0	58.4

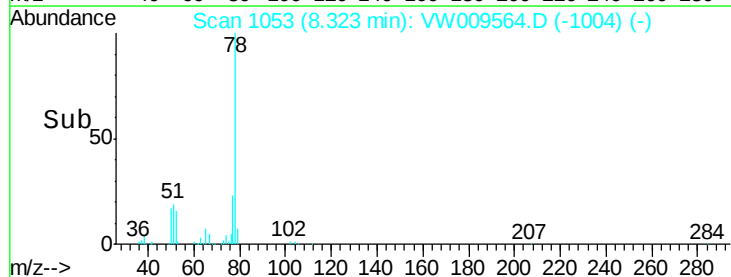
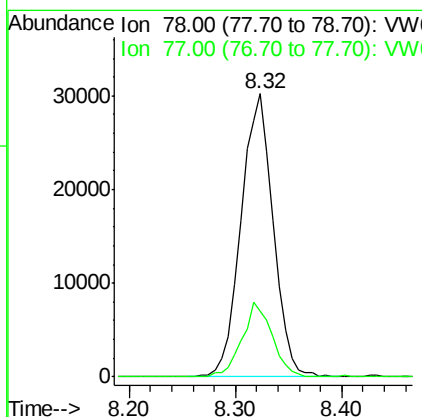
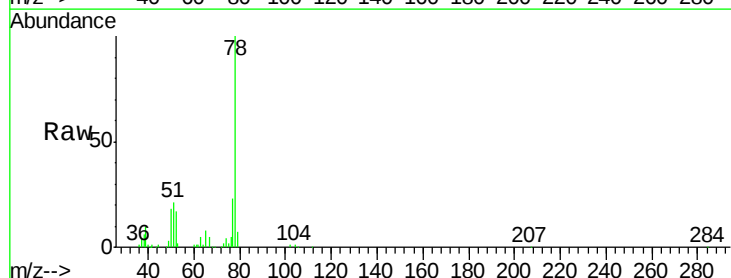
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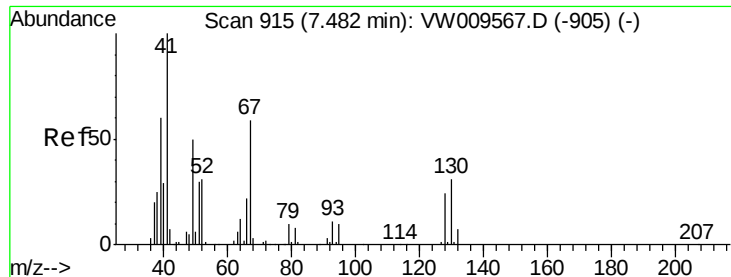
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#40
Benzene
Concen: 5.135 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.8	29.6





#41

Methacrylonitrile

Concen: 4.462 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

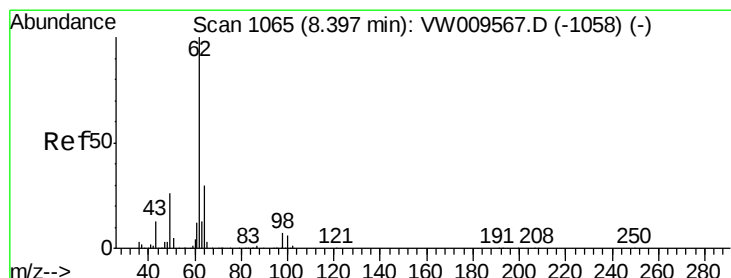
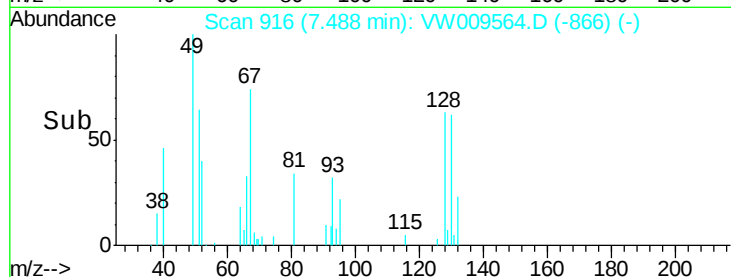
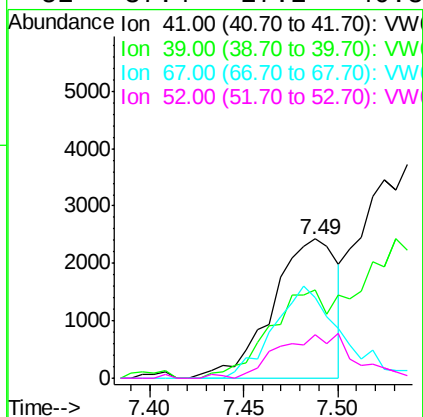
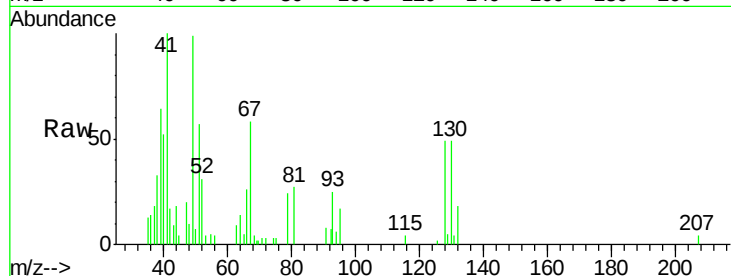
ClientSampled :

VSTDIC005

Tot Ion:	41	Resp:	5767
Ion	Ratio	Lower	Upper
41	100		
39	55.1	52.5	78.7
67	70.3	56.6	84.8
52	37.4	27.2	40.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 5.209 ug/l

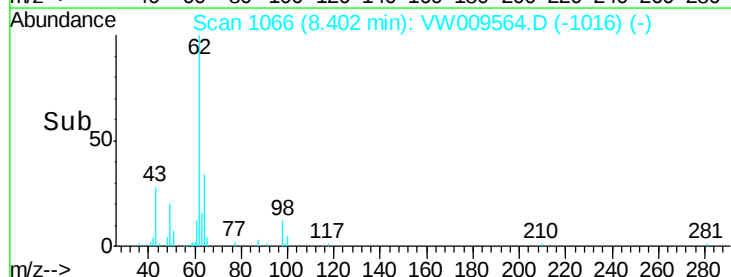
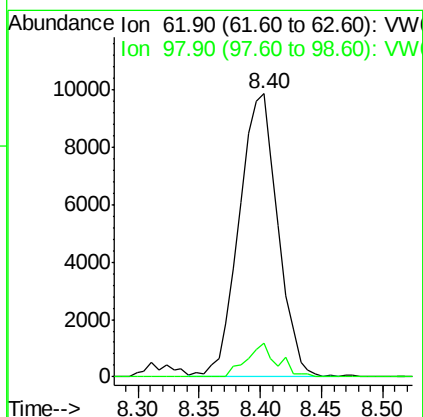
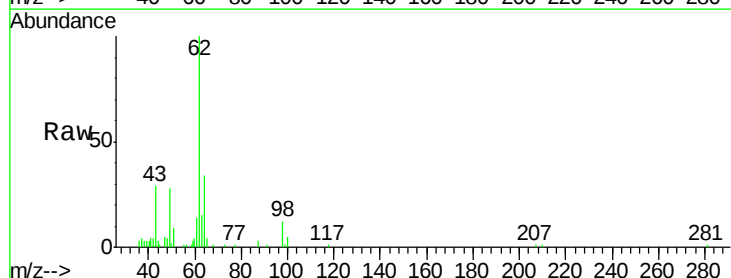
RT: 8.40 min Scan# 1066

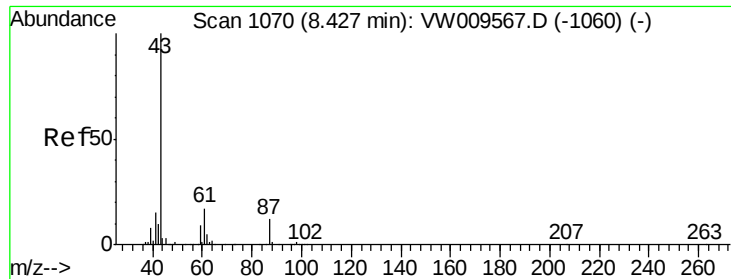
Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion:	62	Resp:	21745
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 5.035 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

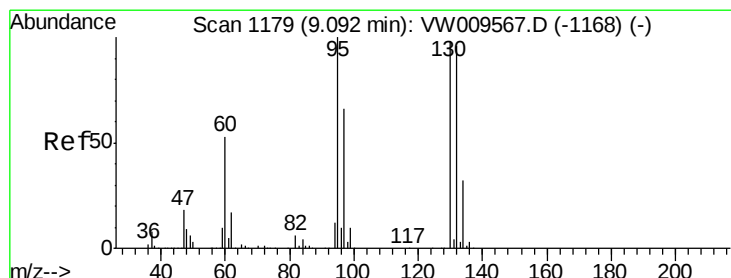
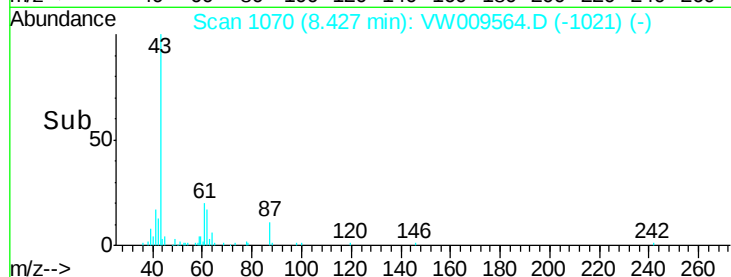
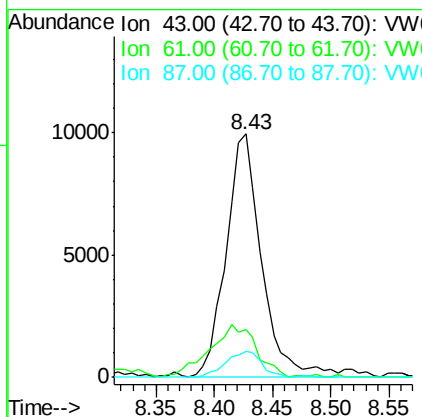
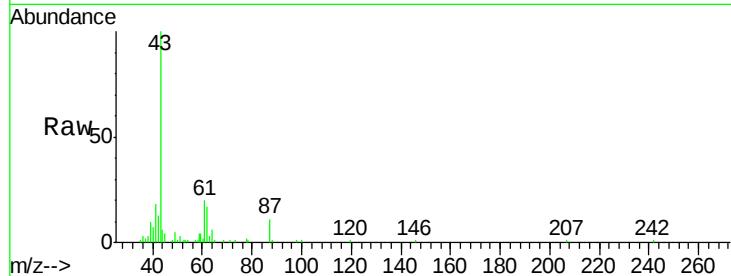
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	21192
Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.2	33.2
87	10.6	9.6	14.4

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#44

Trichloroethene

Concen: 5.160 ug/l

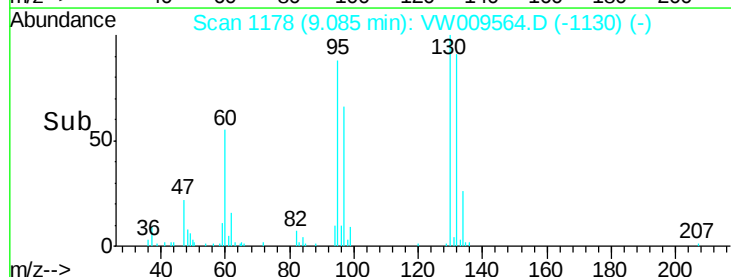
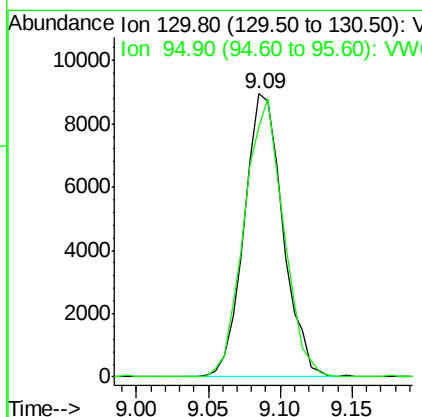
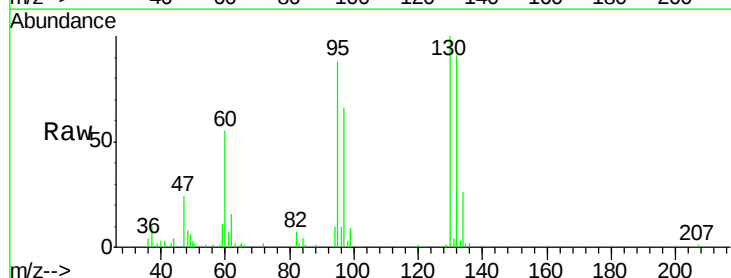
RT: 9.09 min Scan# 1178

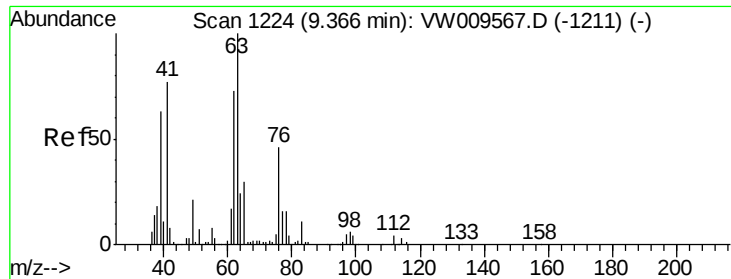
Delta R.T. -0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion:	130	Resp:	16657
Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	192.6





#45

1,2-Dichloropropane

Concen: 5.165 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 16474

Ion Ratio Lower Upper

63 100

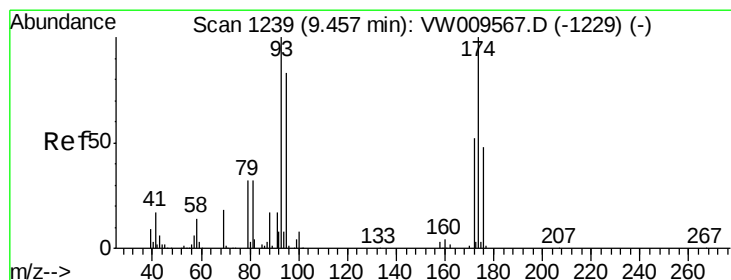
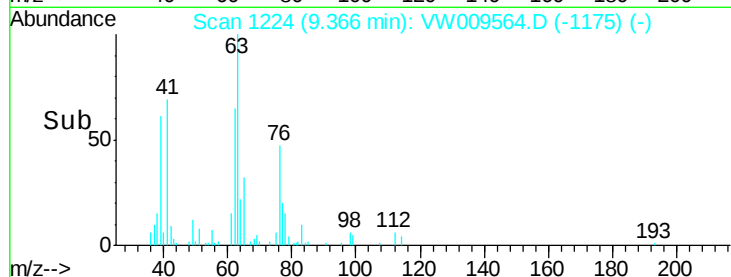
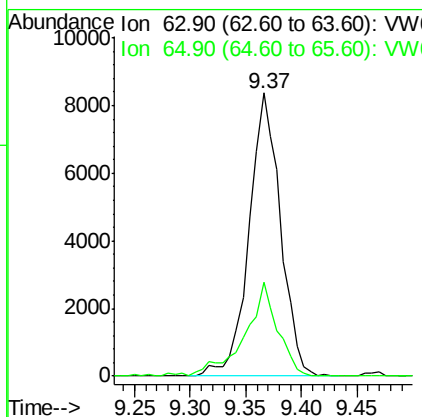
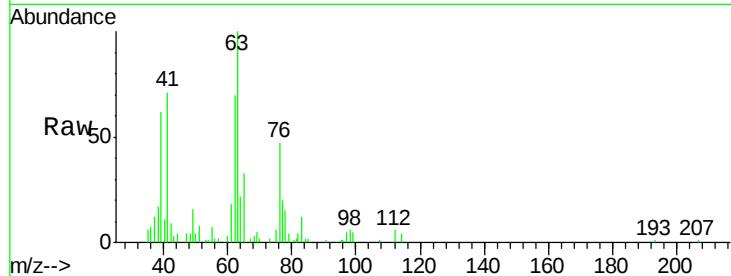
65 33.2 25.8 38.8

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4/1/2019 4:04:43 AM



#46

Dibromomethane

Concen: 5.007 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

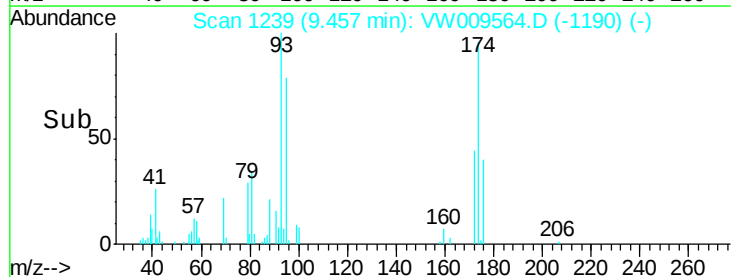
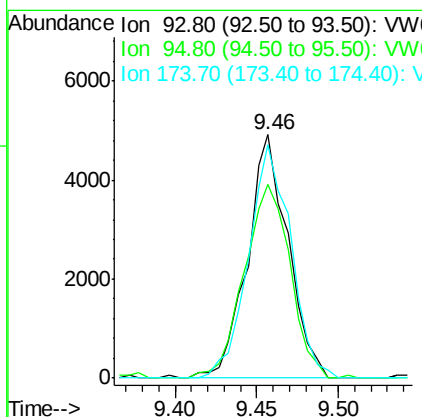
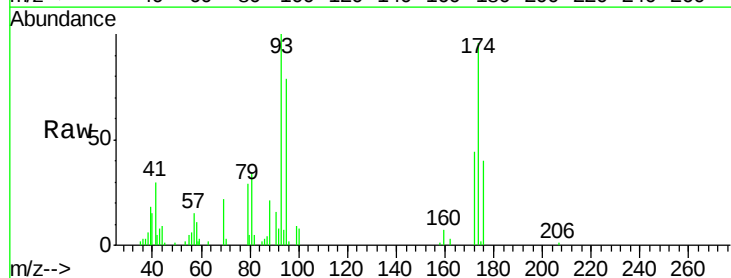
Tgt Ion: 93 Resp: 8539

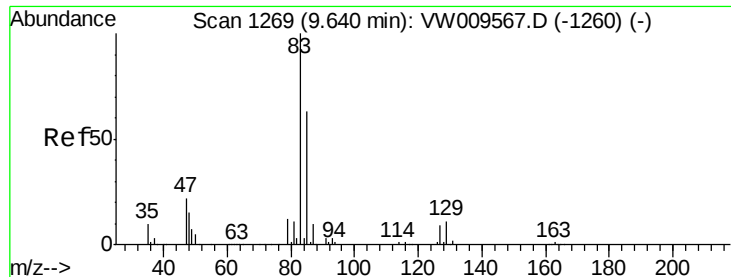
Ion Ratio Lower Upper

93 100

95 89.3 66.9 100.3

174 99.3 80.8 121.2





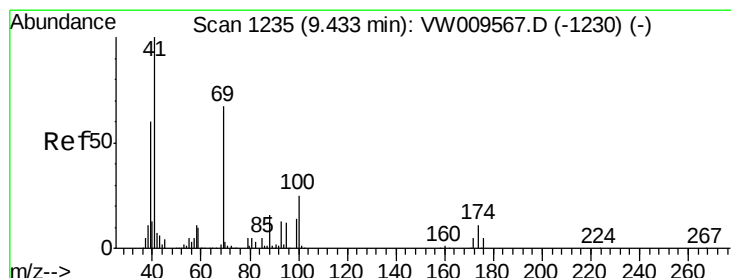
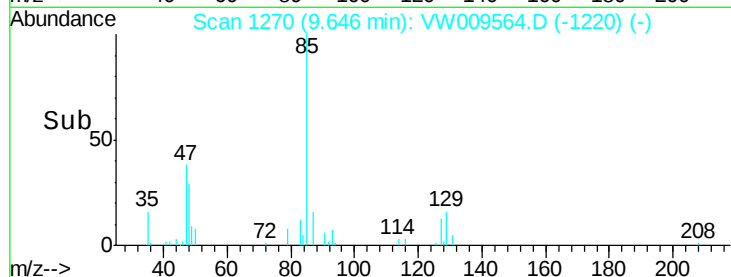
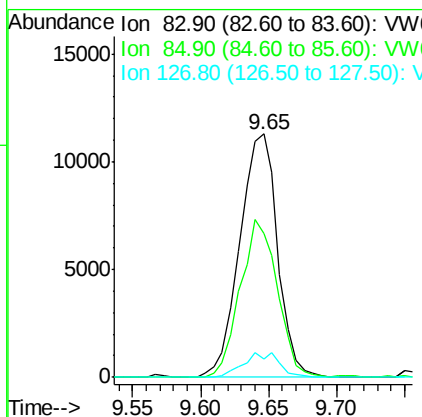
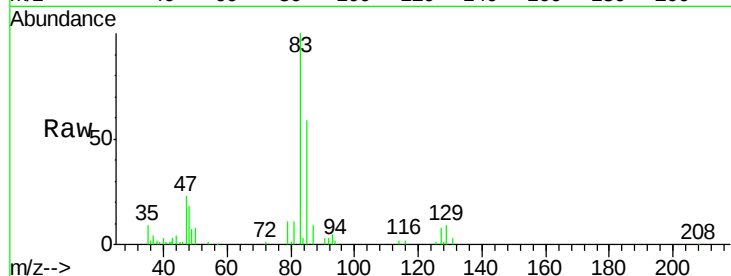
#47
Bromodichloromethane
Concen: 4.941 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	21951
Ion Ratio	100	Lower	Upper
83	100		
85	59.1	52.6	79.0
127	7.6	6.5	9.7

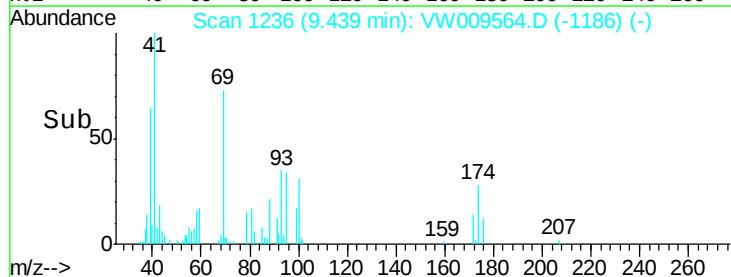
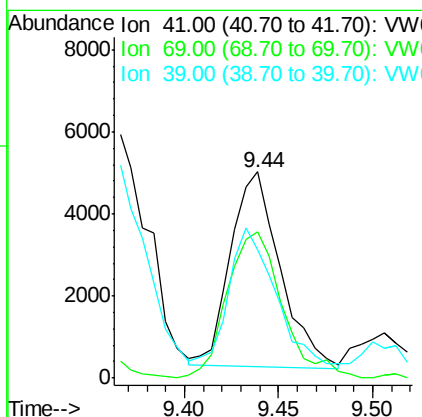
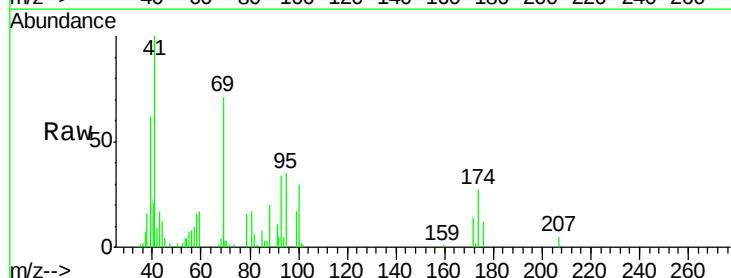
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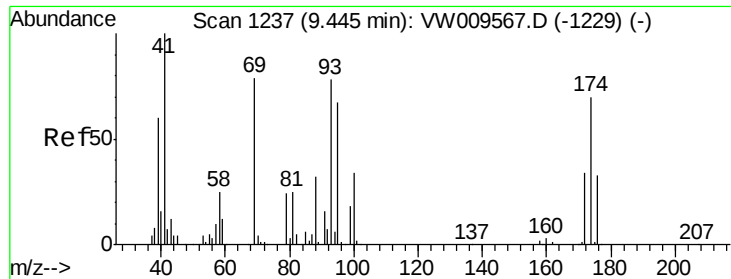
MMDadoda
4/1/2019 4:04:43 AM



#48
Methyl methacrylate
Concen: 4.142 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	41	Resp	8645
Ion Ratio	100	Lower	Upper
41	100		
69	83.6	63.0	94.6
39	64.4	57.2	85.8





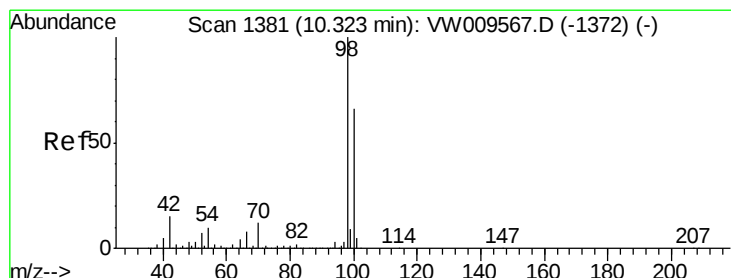
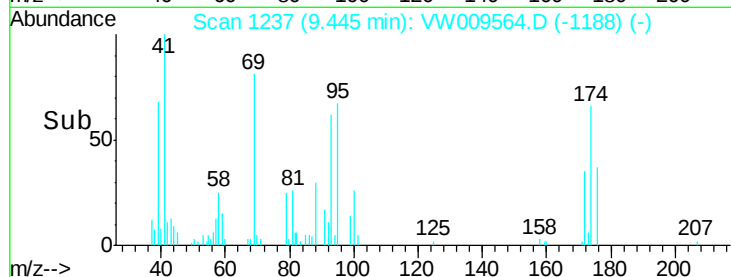
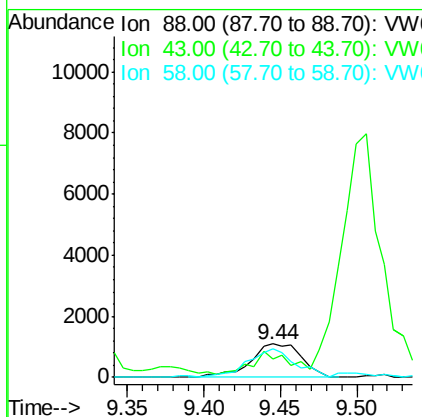
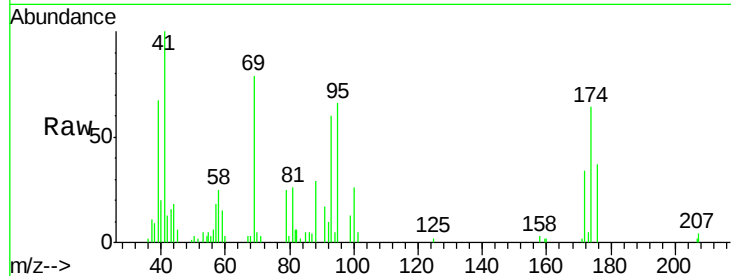
#49
1,4-Dioxane
Concen: 95.881 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.5	29.7	44.5#
58	79.2	58.1	87.1

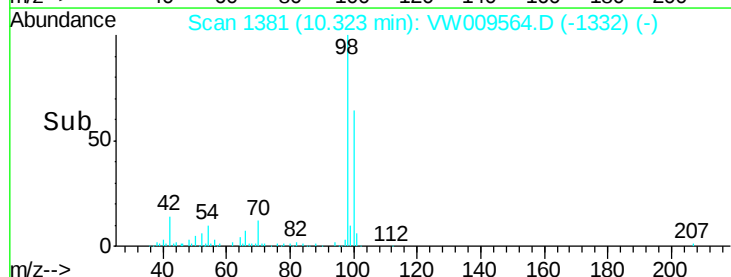
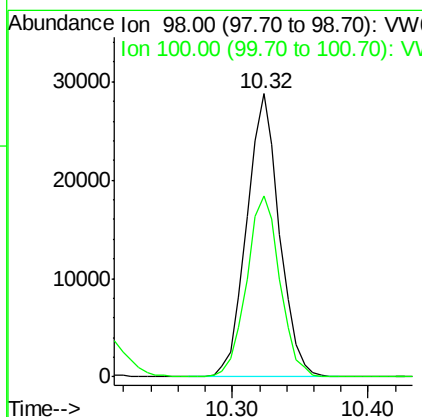
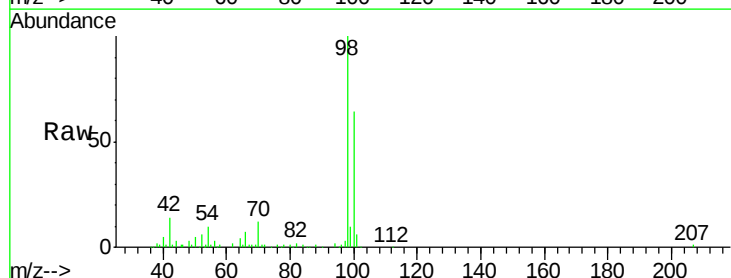
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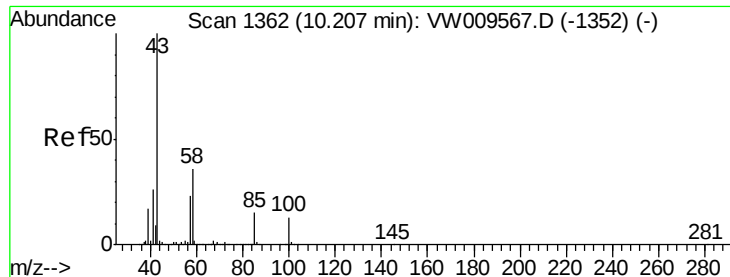
MMDadoda
4/1/2019 4:04:43 AM



#50
Toluene-d8
Concen: 4.465 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 22.776 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 52554

Ion Ratio Lower Upper

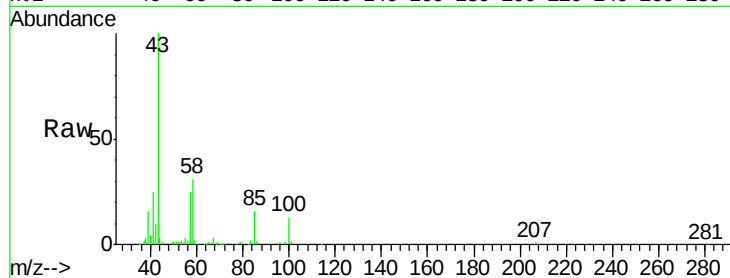
43 100

58 32.2 28.6 42.8

Manual Integrations
APPROVED

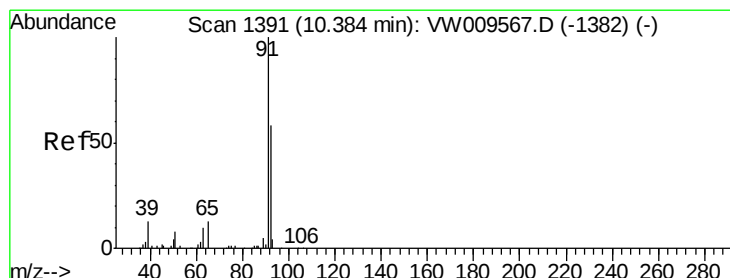
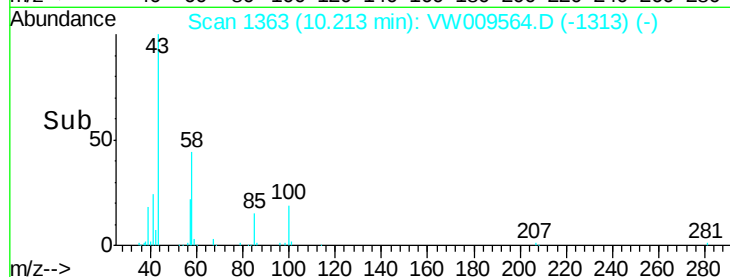
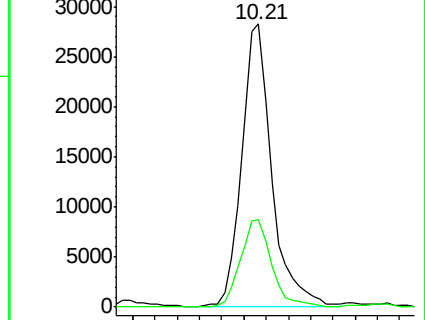
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 4.632 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009564.D

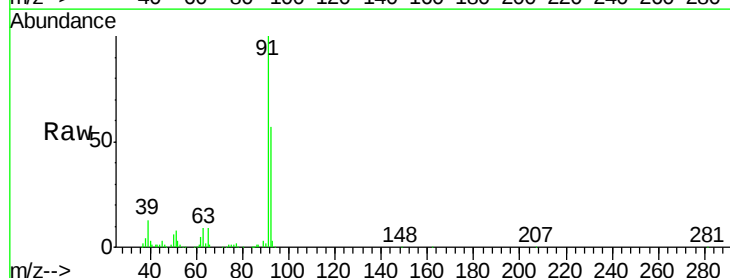
Acq: 29 Mar 2019 09:54

Tgt Ion: 92 Resp: 37159

Ion Ratio Lower Upper

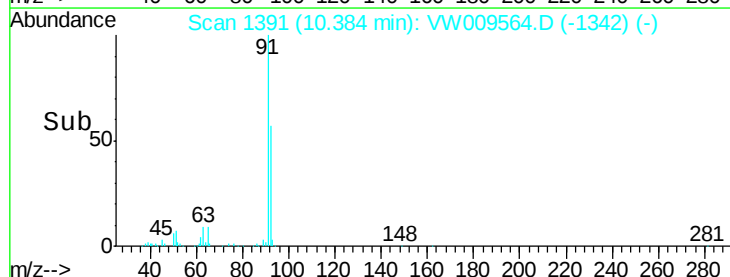
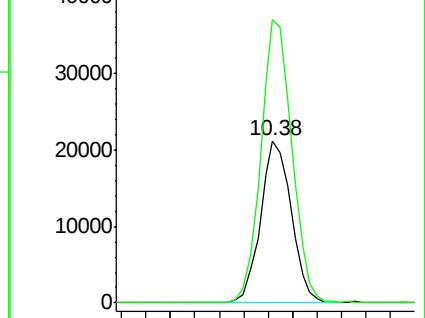
92 100

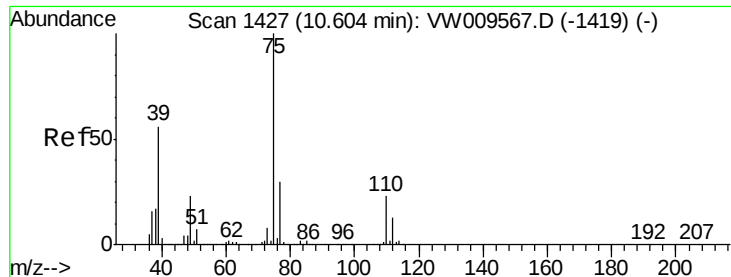
91 176.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





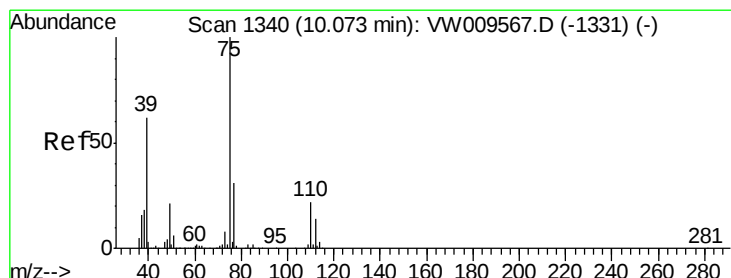
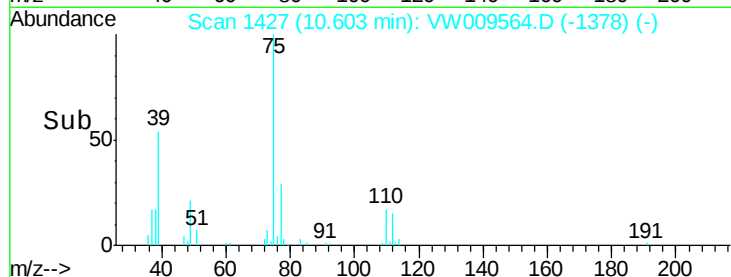
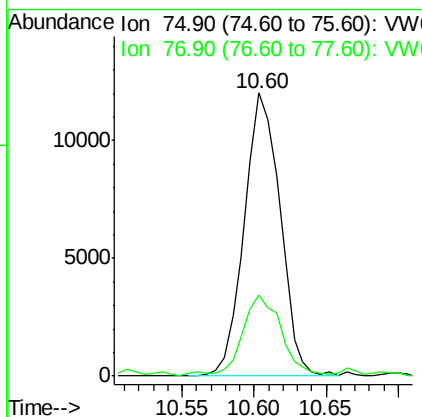
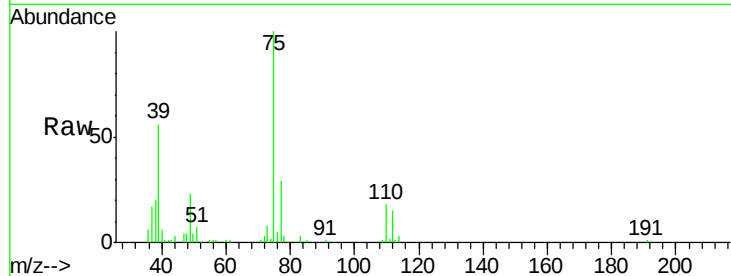
#53
t-1,3-Dichloropropene
Concen: 4.688 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.5	24.8	37.2

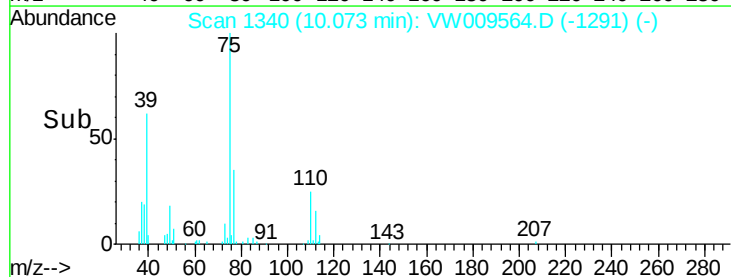
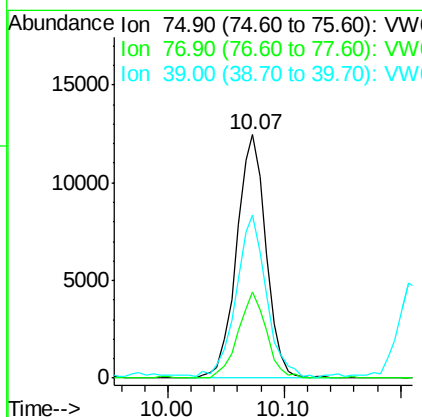
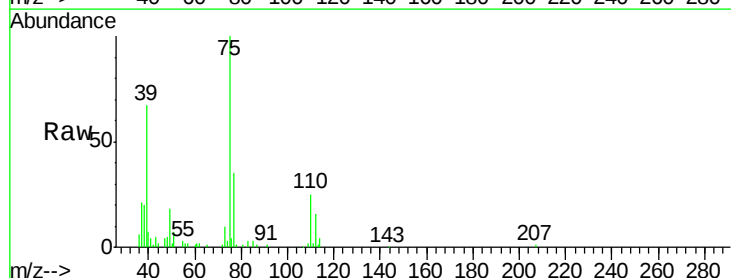
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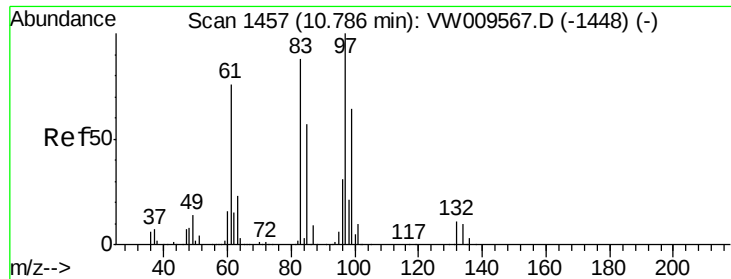
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#54
cis-1,3-Dichloropropene
Concen: 4.450 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.4	25.9	38.9
39	65.8	46.8	70.2





#55

1,1,2-Trichloroethane

Concen: 5.036 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

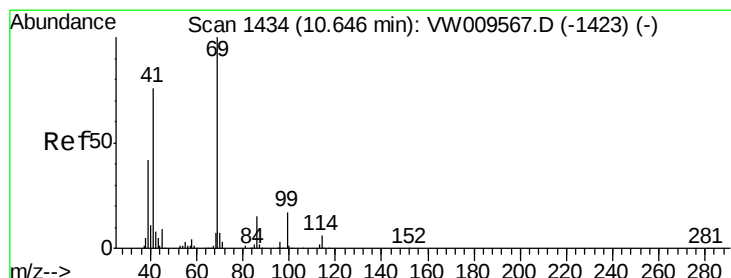
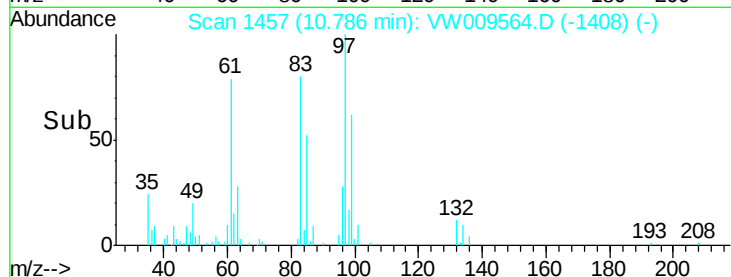
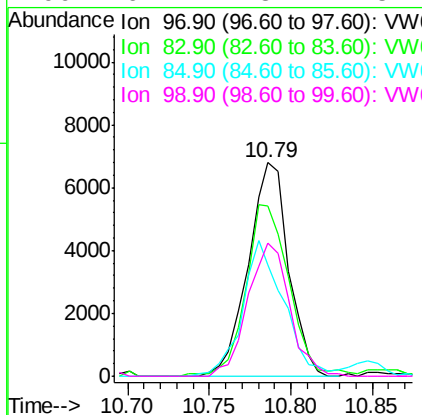
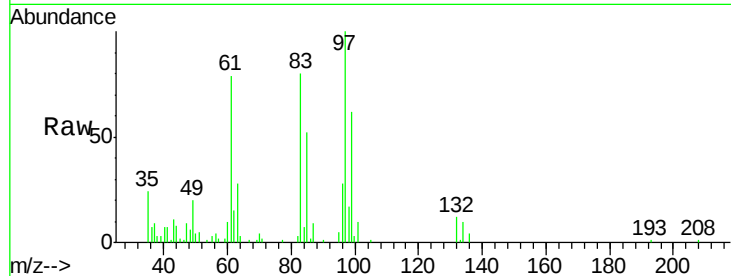
ClientSampled :

VSTDIC005

Tot Ion:	97	Resp:	11680
Ion	Ratio	Lower	Upper
97	100		
83	78.5	66.3	99.5
85	52.2	41.4	62.2
99	62.4	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 3.907 ug/l

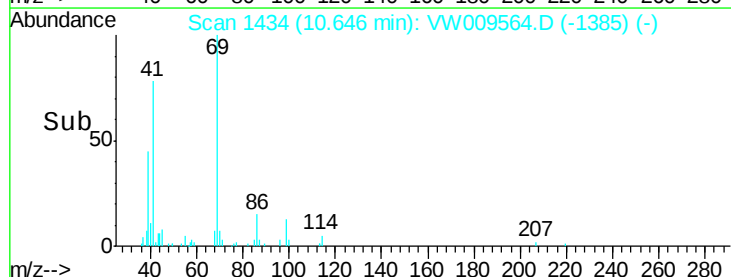
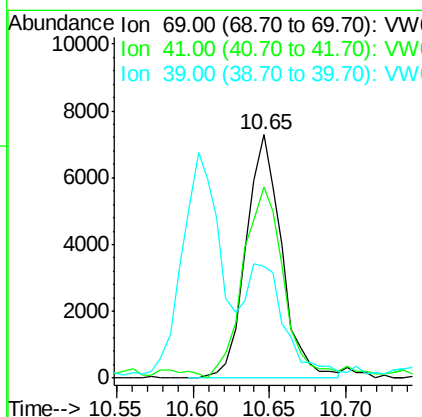
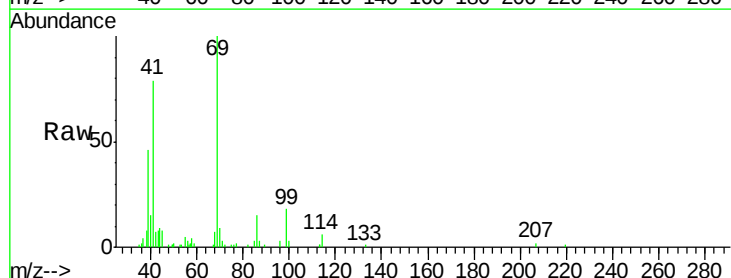
RT: 10.65 min Scan# 1434

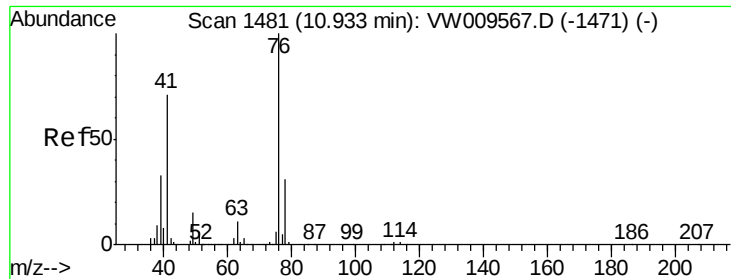
Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion:	69	Resp:	11782
Ion	Ratio	Lower	Upper
69	100		
41	89.7	59.3	88.9#
39	47.6	36.2	54.2





#57

1,3-Dichloropropane

Concen: 4.836 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 20167

Ion Ratio Lower Upper

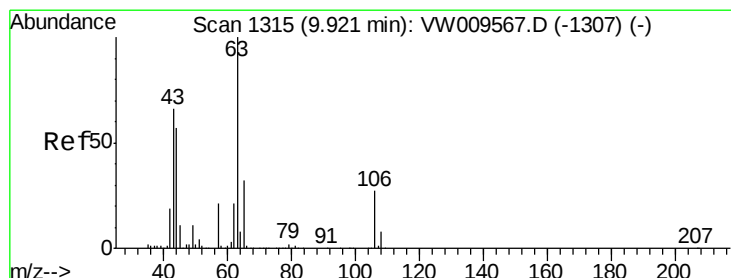
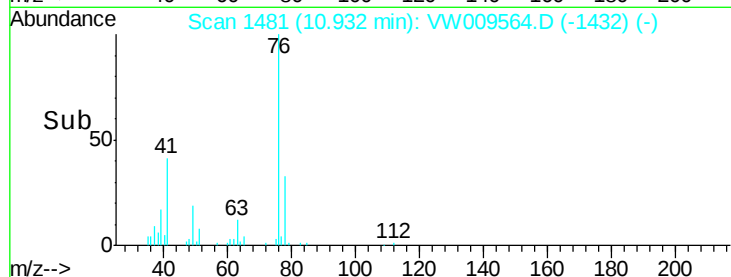
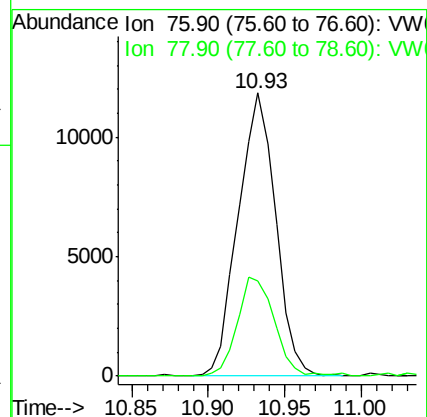
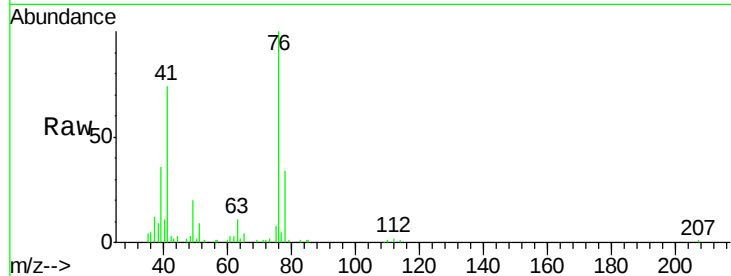
76 100

78 34.9 25.8 38.6

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4/1/2019 4:04:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 16.798 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW009564.D

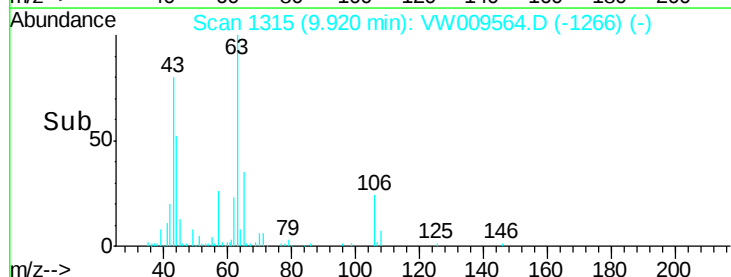
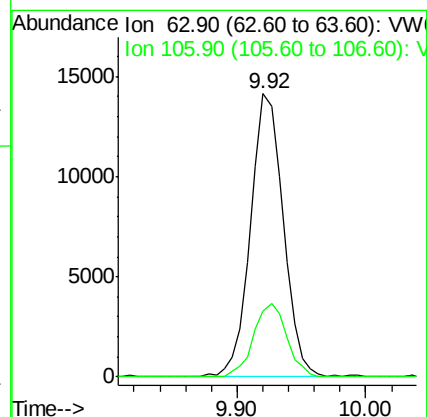
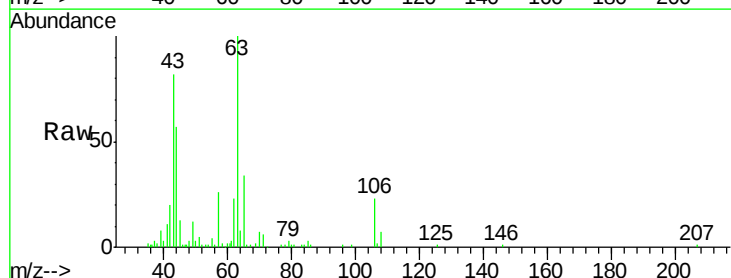
Acq: 29 Mar 2019 09:54

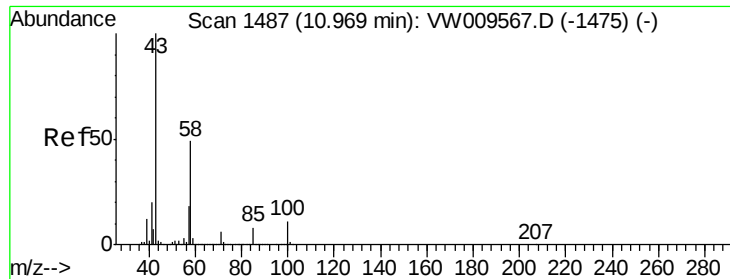
Tgt Ion: 63 Resp: 24815

Ion Ratio Lower Upper

63 100

106 26.3 22.9 34.3





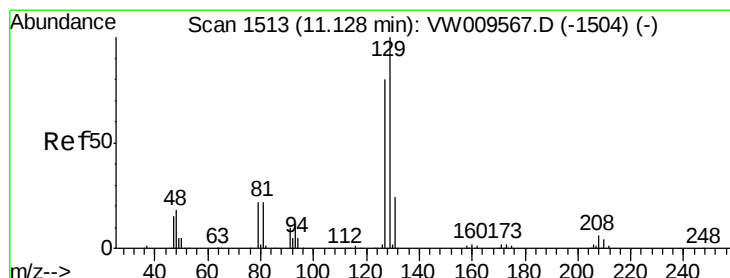
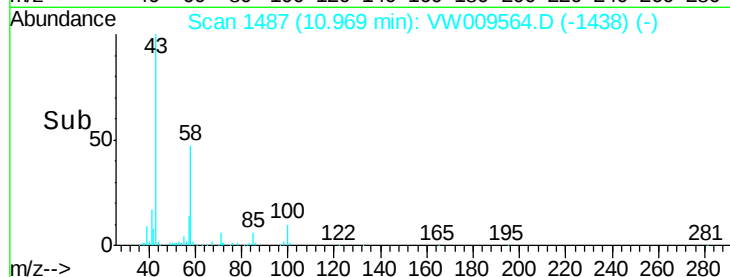
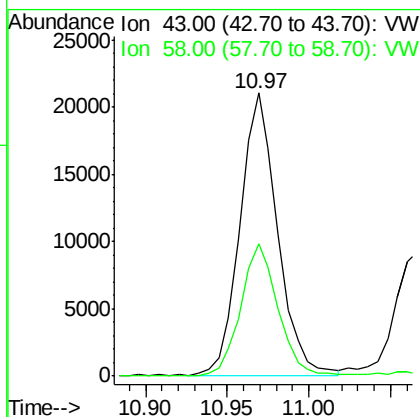
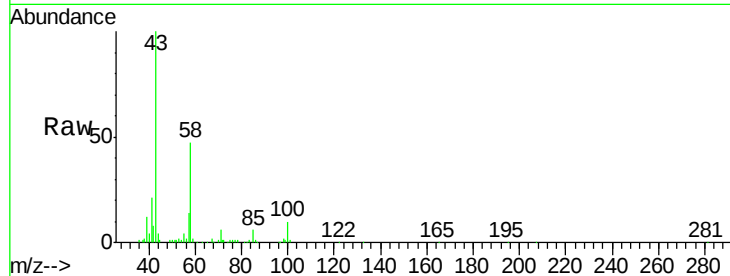
#59
2-Hexanone
Concen: 20.648 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	33896
Ion Ratio	43	100	
Lower	58	46.4	24.2
Upper			72.6

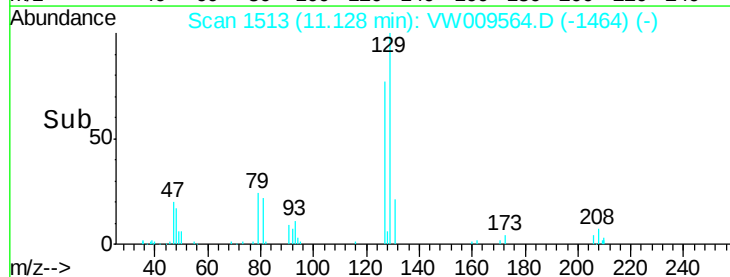
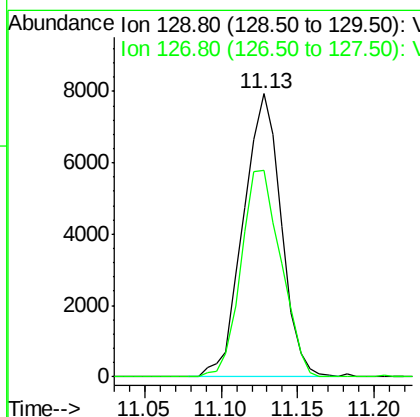
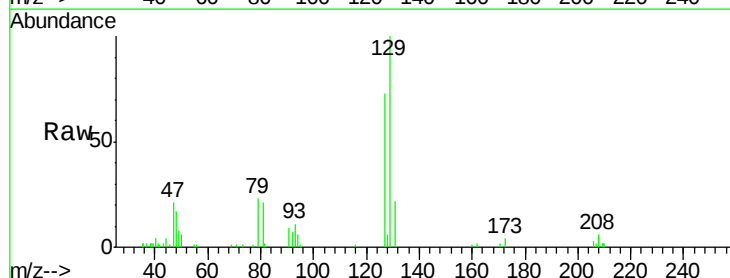
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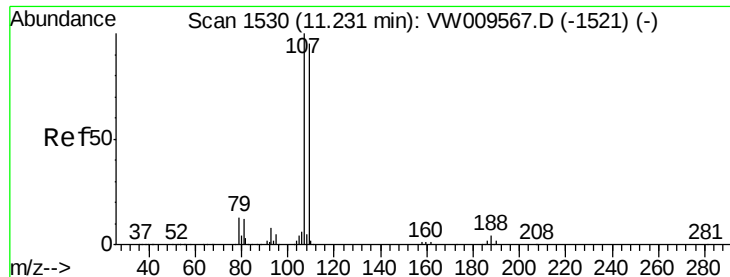
MMDadoda
4/1/2019 4:04:43 AM



#60
Dibromochloromethane
Concen: 4.859 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	129	Resp	13685
Ion Ratio	129	100	
Lower	127	76.8	38.1
Upper			114.5





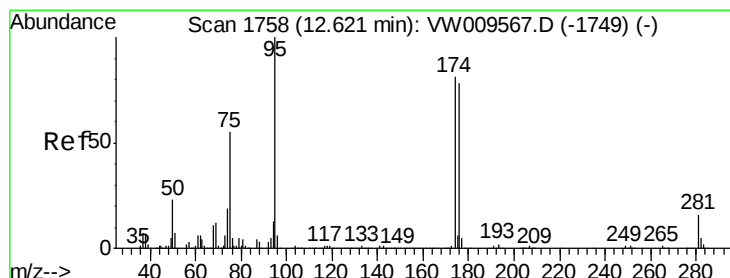
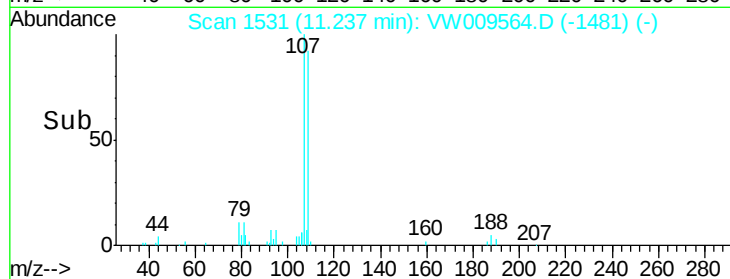
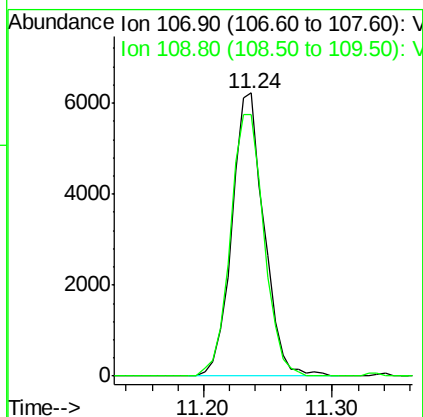
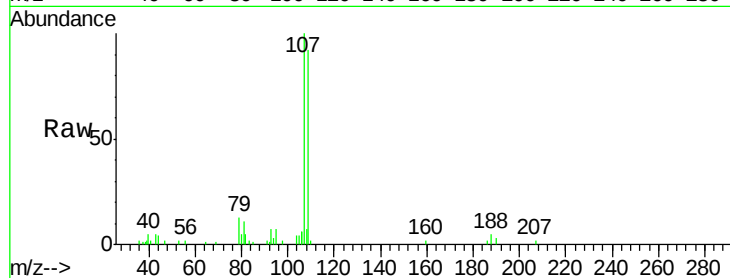
#61
 1,2-Dibromoethane
 Concen: 4.826 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.1	112.7

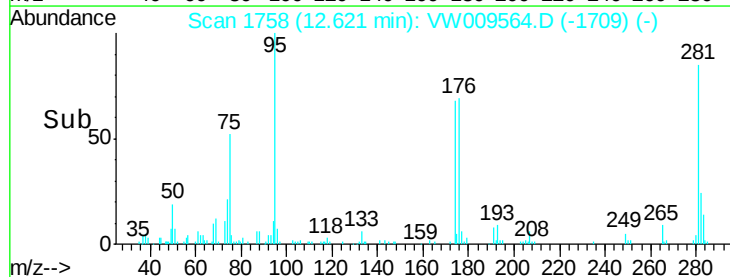
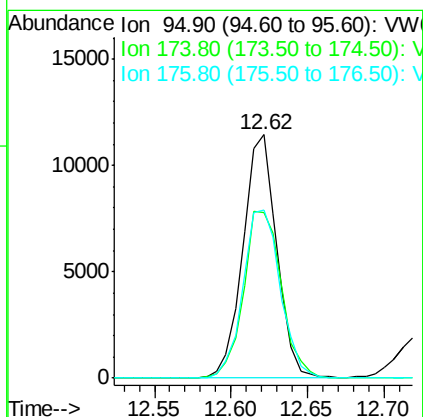
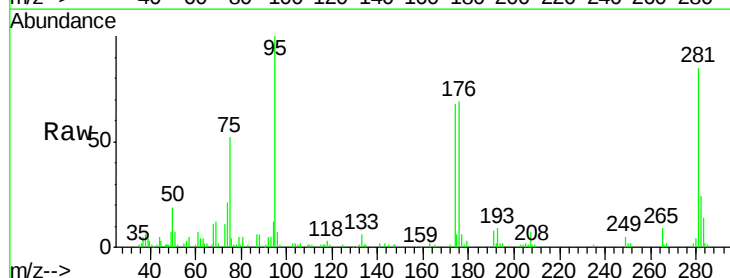
Manual Integrations
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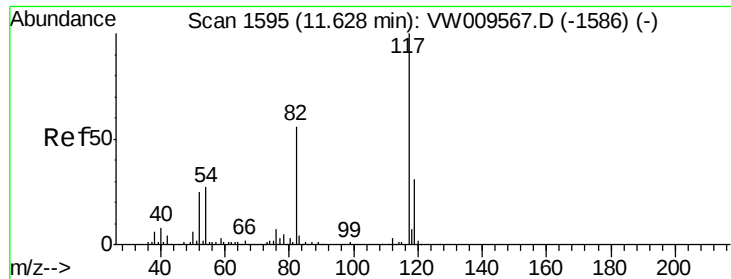
MMDadoda
 4/1/2019 4:04:43 AM



#62
 4-Bromofluorobenzene
 Concen: 4.333 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	168.4
176	77.0	0.0	161.6





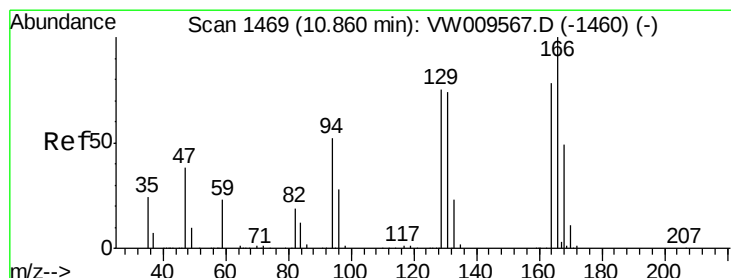
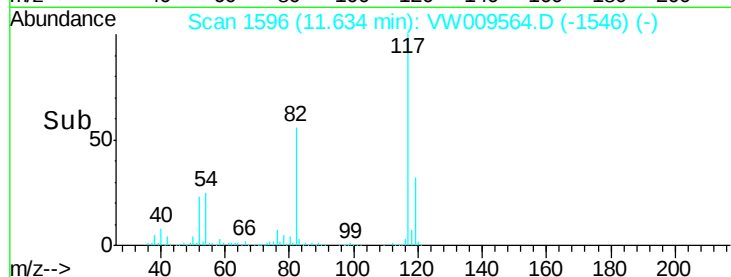
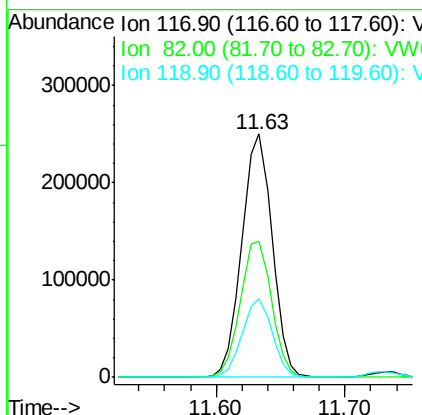
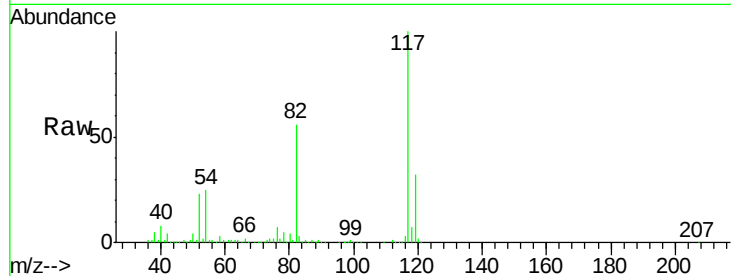
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.6	65.4
119	32.0	26.0	39.0

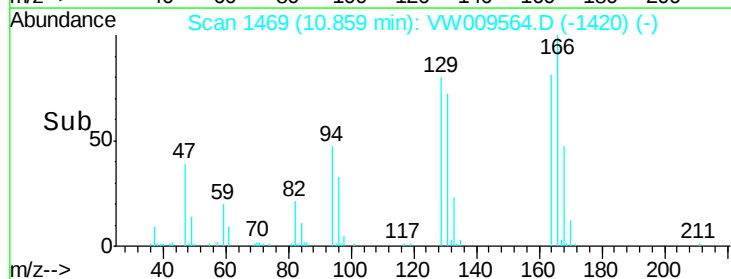
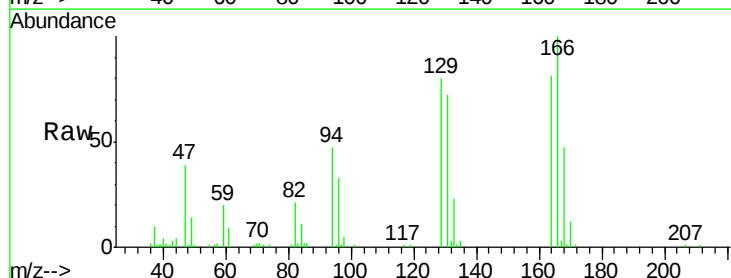
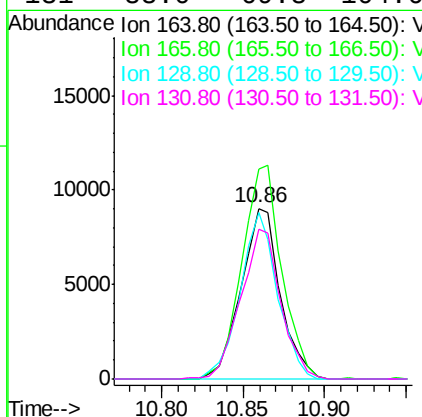
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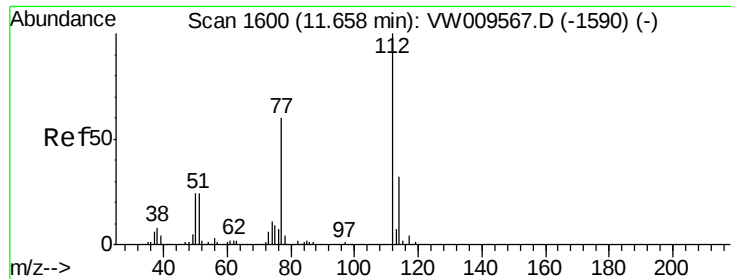
MMDadoda
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#64
Tetrachloroethene
Concen: 5.566 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.9	151.3
129	97.9	72.0	108.0
131	88.0	69.8	104.6





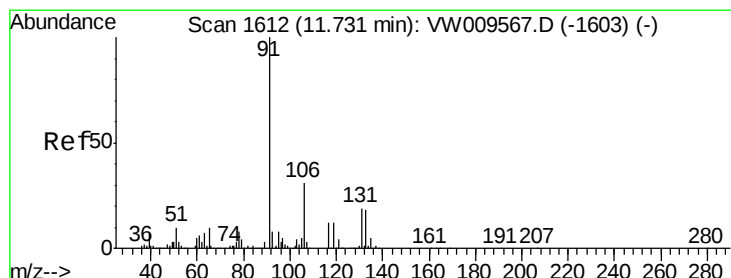
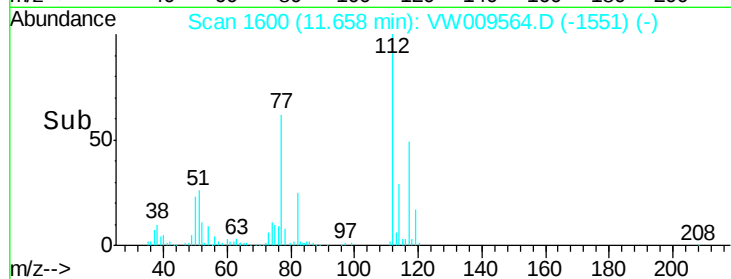
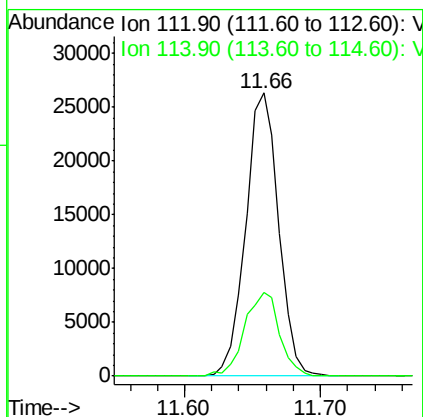
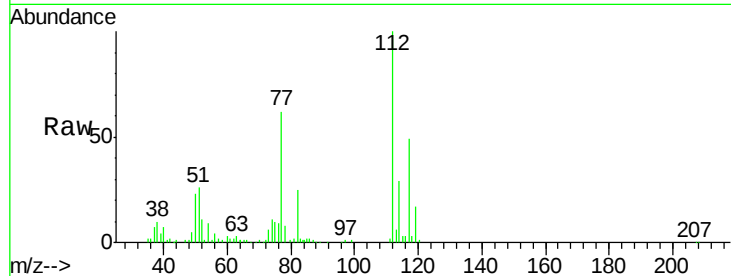
#65
Chlorobenzene
Concen: 5.210 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 44556
Ion Ratio Lower Upper
112 100
114 29.4 25.6 38.4

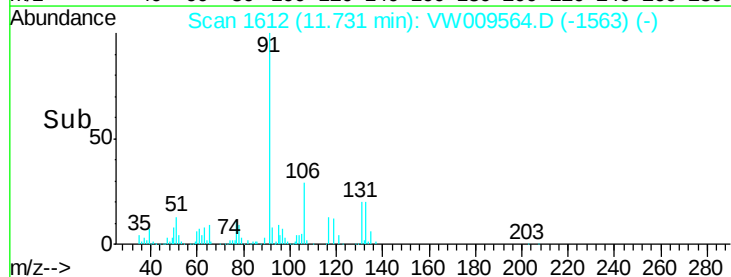
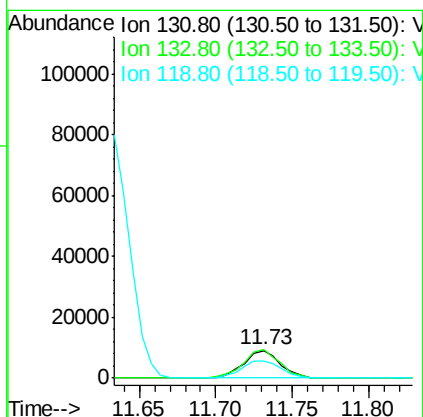
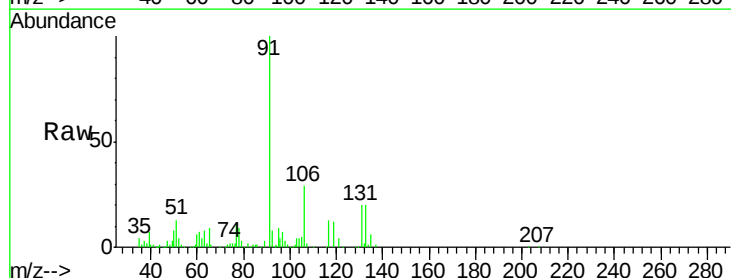
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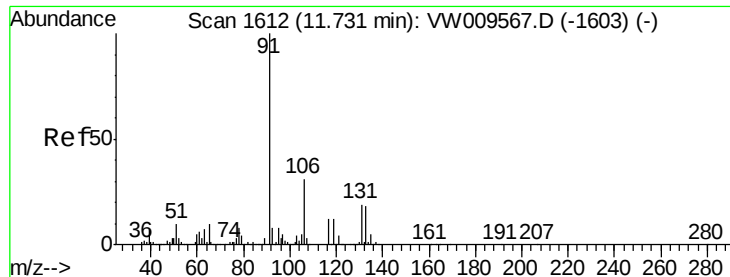
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.843 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion:131 Resp: 15216
Ion Ratio Lower Upper
131 100
133 102.4 47.3 141.8
119 66.6 31.6 95.0





#67

Ethyl Benzene

Concen: 4.578 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 71718

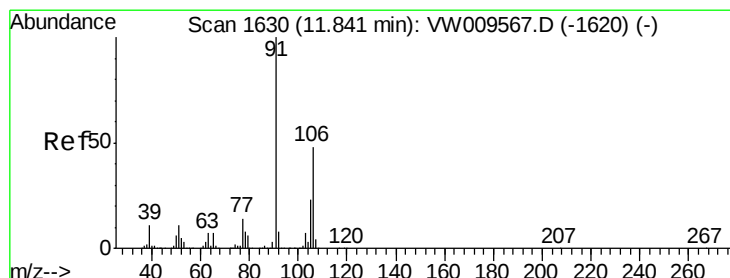
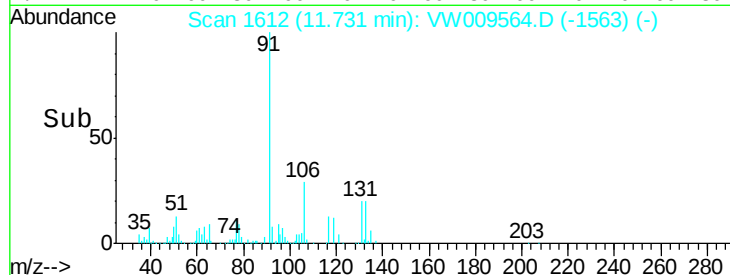
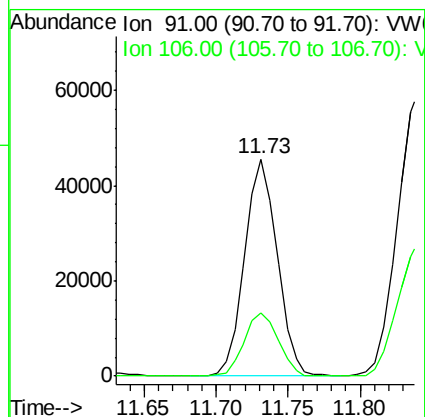
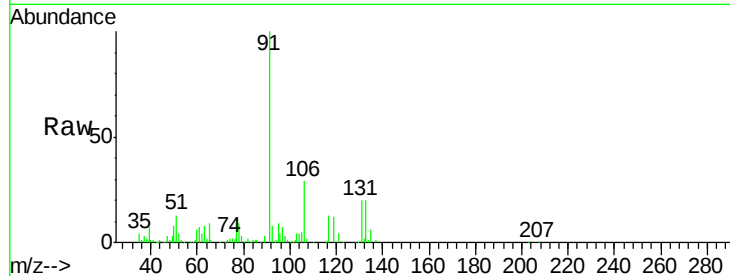
Ion Ratio Lower Upper

91 100

106 29.4 24.6 36.8

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#68

m/p-Xylenes

Concen: 8.947 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009564.D

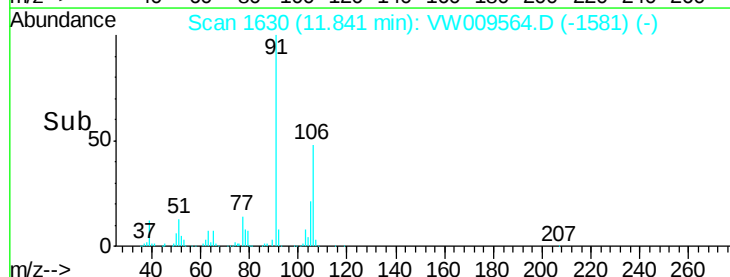
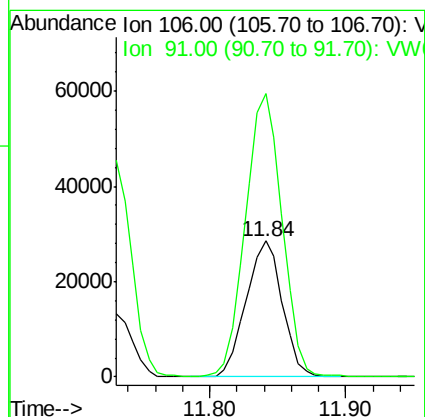
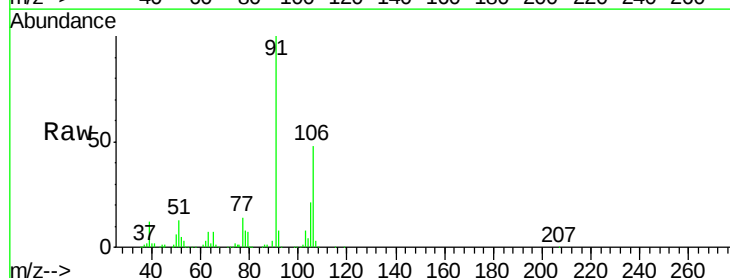
Acq: 29 Mar 2019 09:54

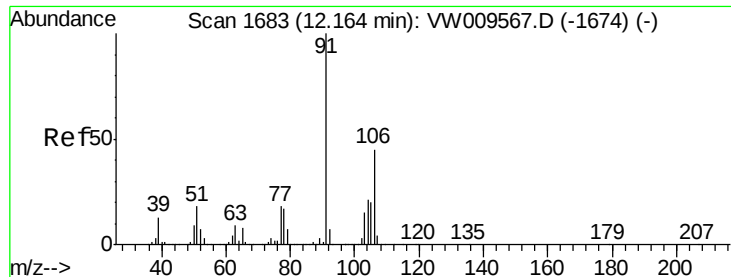
Tgt Ion: 106 Resp: 53265

Ion Ratio Lower Upper

106 100

91 210.6 163.1 244.7





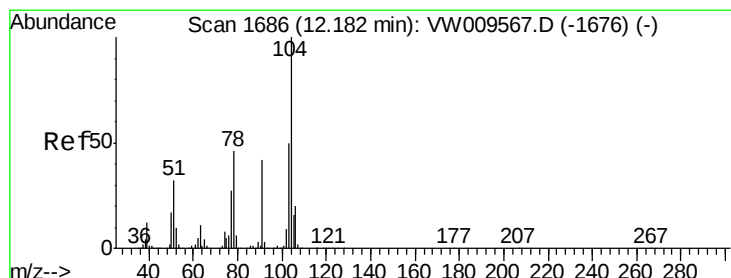
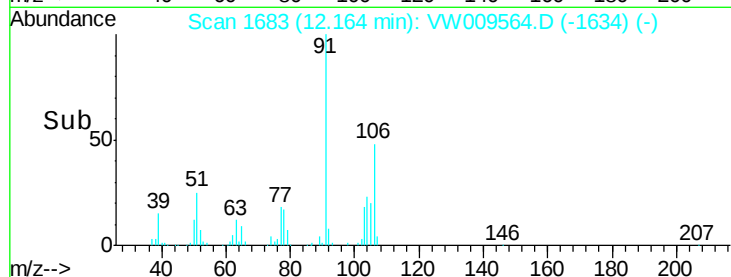
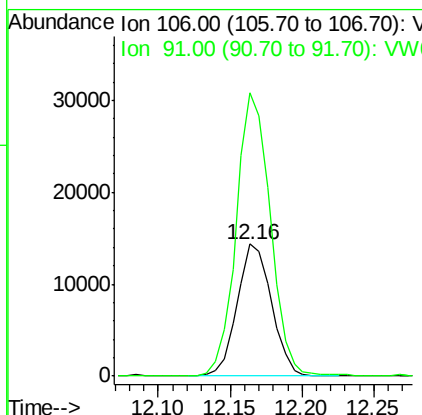
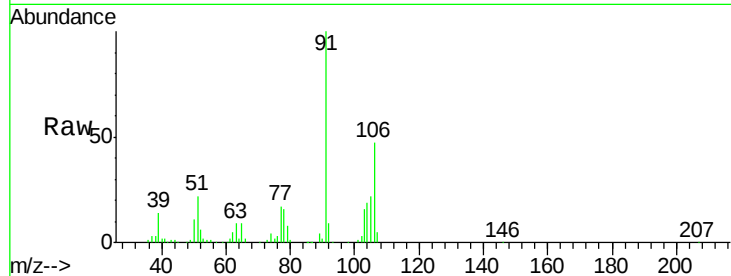
#69
o-Xylene
Concen: 4.272 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.4	108.6	325.8	

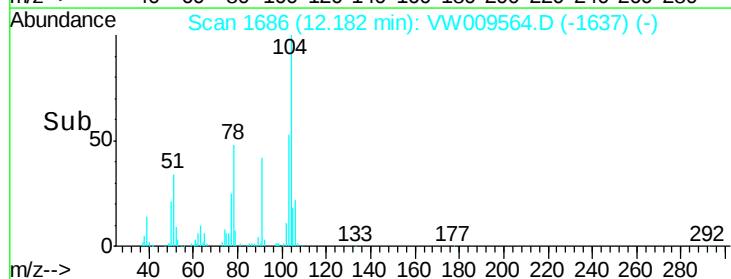
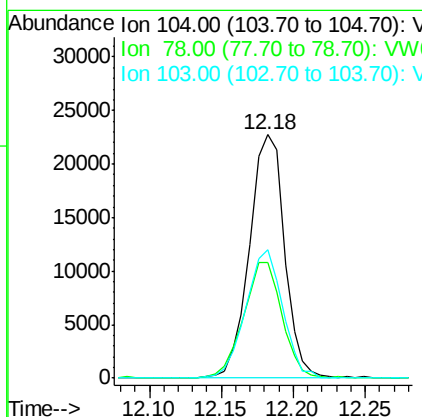
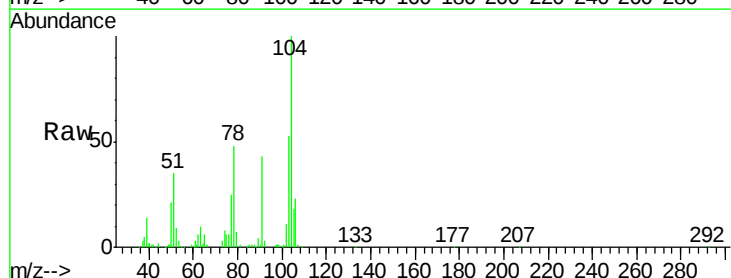
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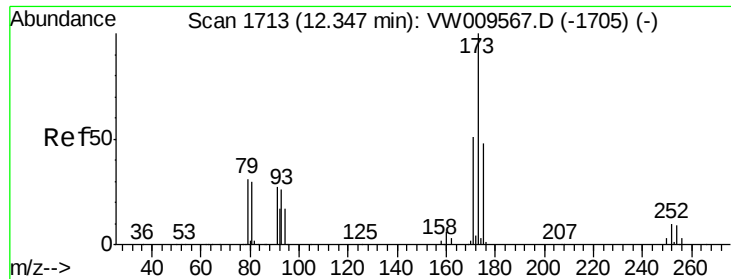
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#70
Styrene
Concen: 4.058 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	42.2	63.4	
103	55.6	44.6	66.8	





#71

Bromoform

Concen: 4.804 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 8146

Ion Ratio Lower Upper

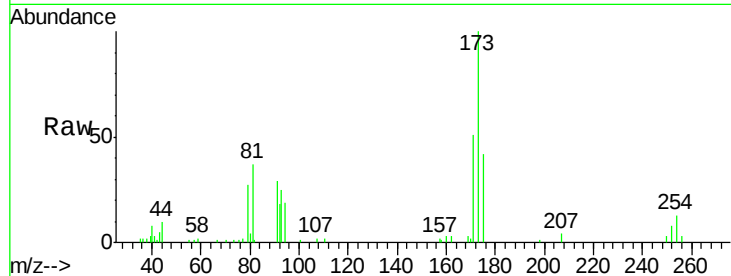
173 100

175 49.7 24.1 72.4

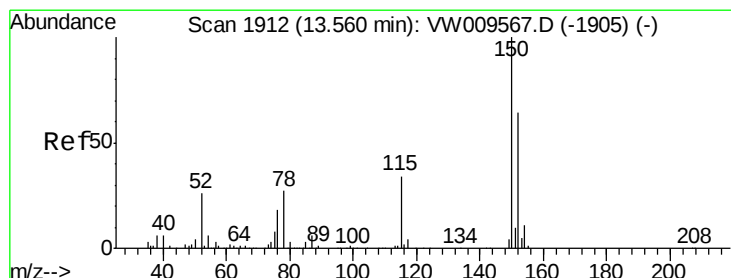
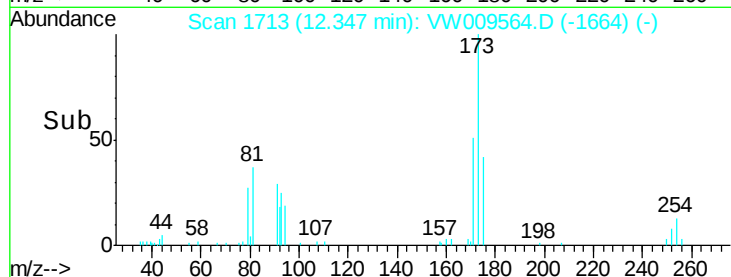
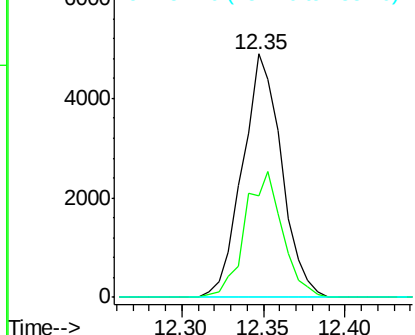
254 0.0 0.2 0.4#

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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: VW009564.D

Acq: 29 Mar 2019 09:54

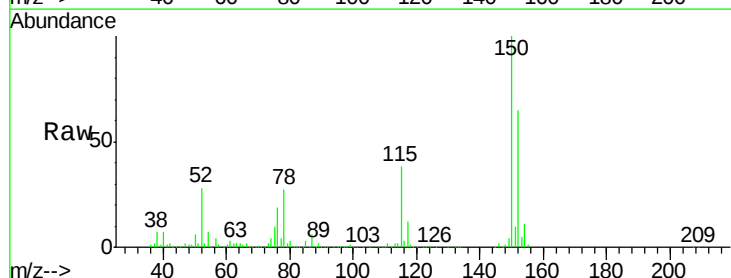
Tgt Ion:152 Resp: 217738

Ion Ratio Lower Upper

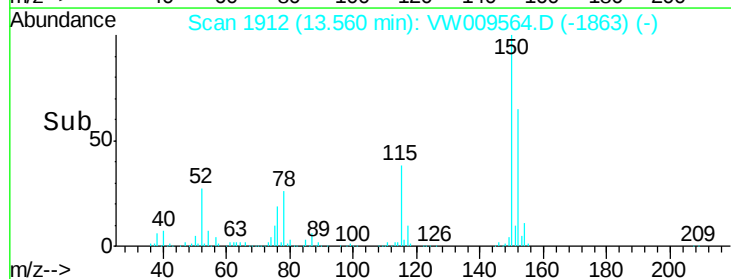
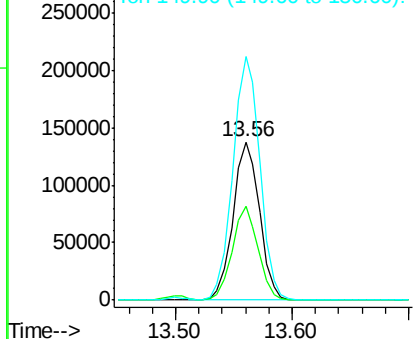
152 100

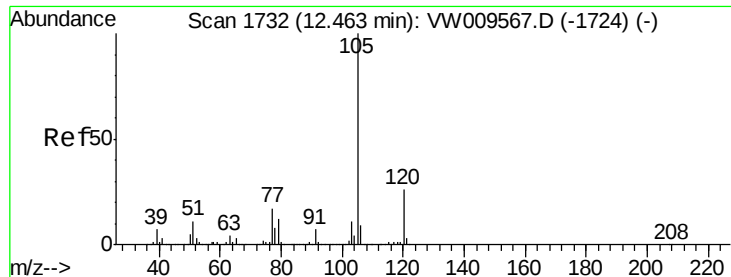
115 57.4 29.6 88.8

150 157.1 0.0 349.2



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: 4.212 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 67740

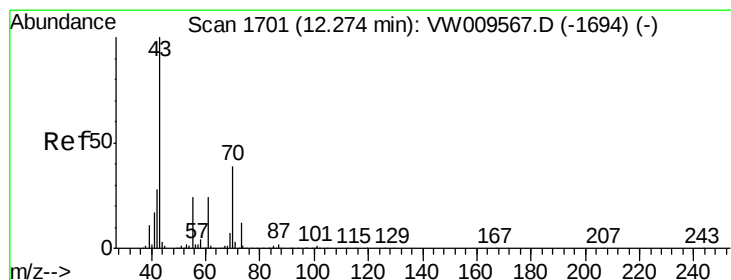
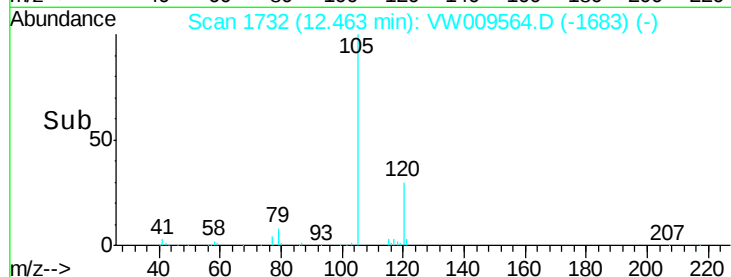
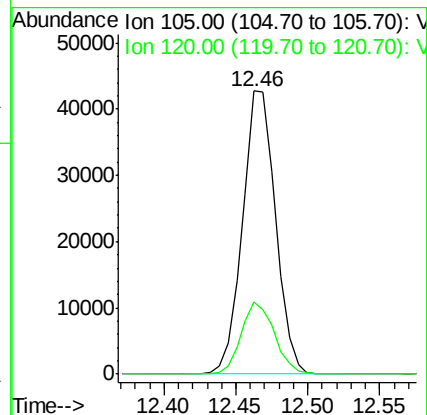
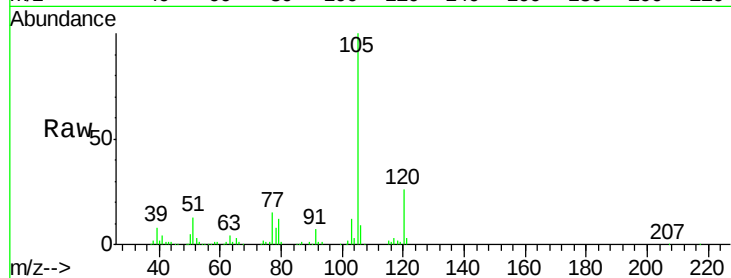
Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0

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4/1/2019 4:04:43 AM



#74

N-ethyl acetate

Concen: 4.082 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion: 43 Resp: 16556

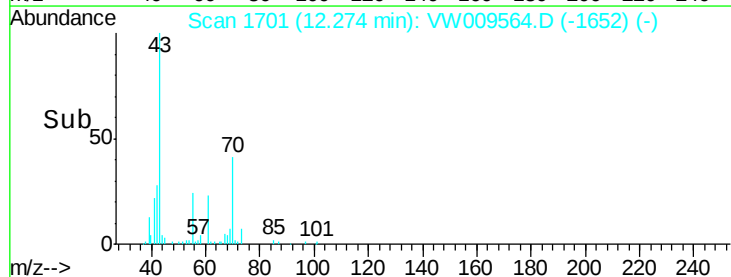
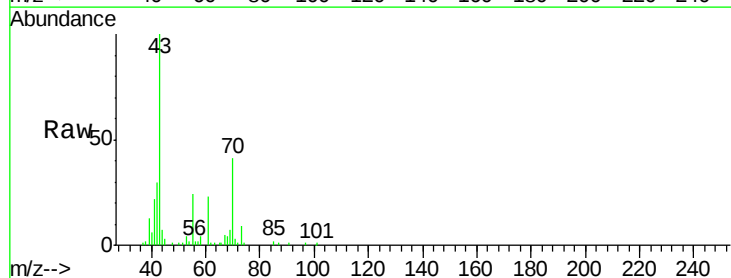
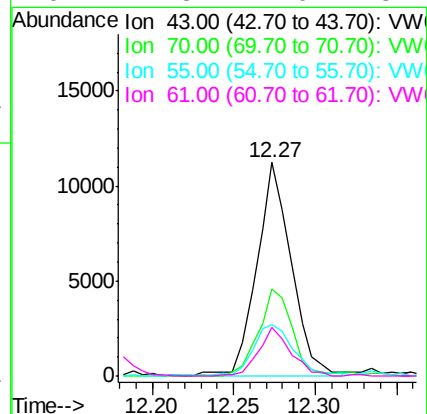
Ion Ratio Lower Upper

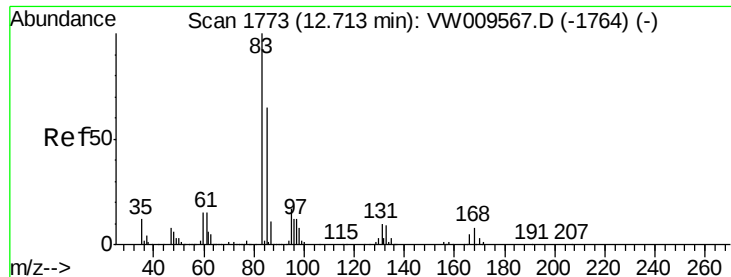
43 100

70 41.4 30.6 46.0

55 28.4 19.3 28.9

61 21.3 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.034 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

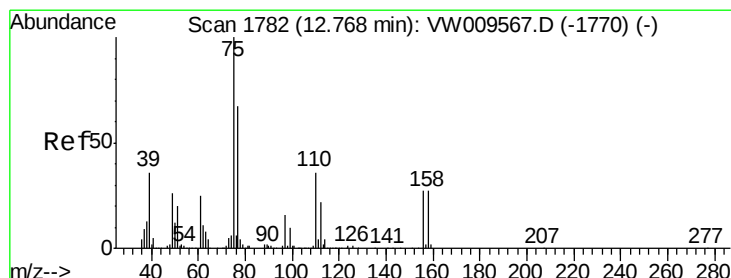
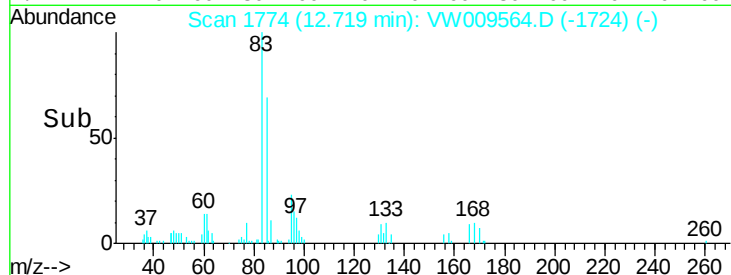
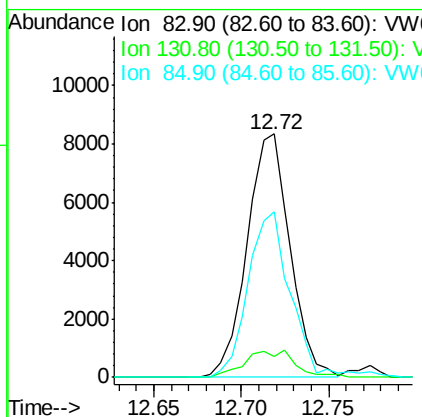
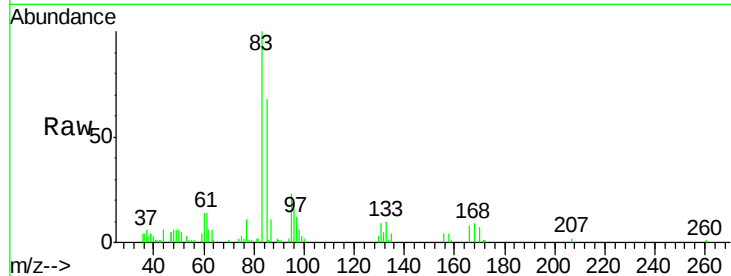
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14277
Ion Ratio	Lower	Upper	
83	100		
131	13.1	5.3	16.1
85	67.8	32.6	97.8

Manual Integrations
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4/1/2019 4:04:43 AM



#76

1,2,3-Trichloropropane

Concen: 4.890 ug/l m

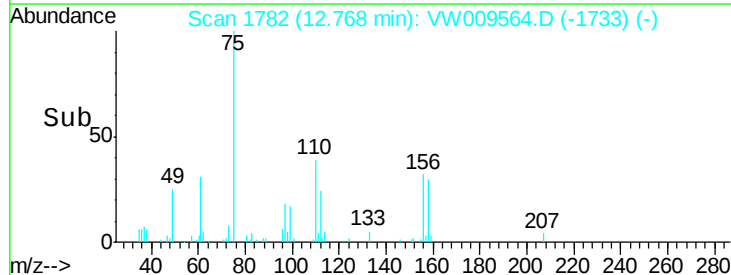
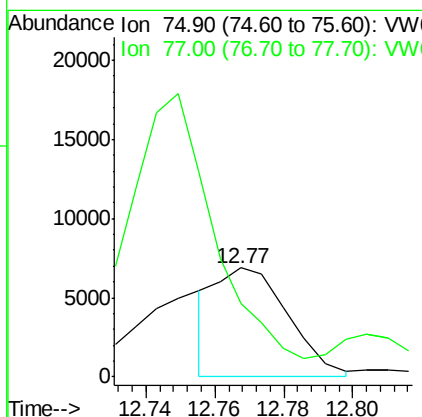
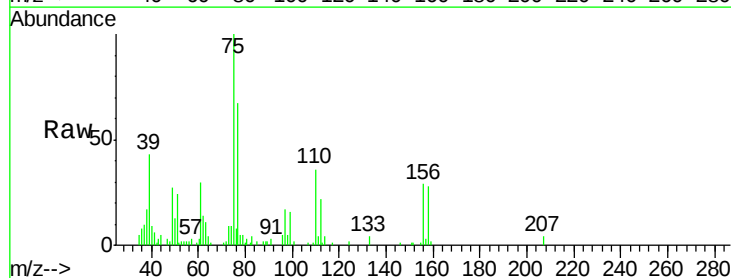
RT: 12.77 min Scan# 1782

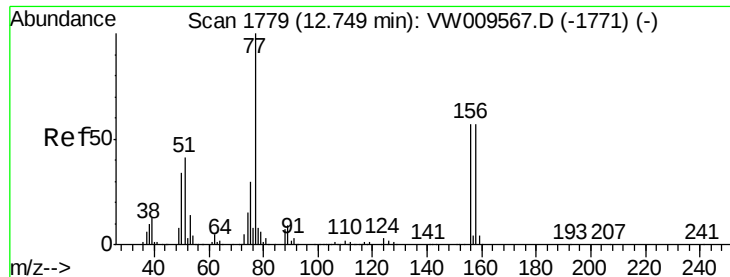
Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion:	75	Resp:	10071
Ion Ratio	Lower	Upper	
75	100		
77	321.6	0.0	0.0#





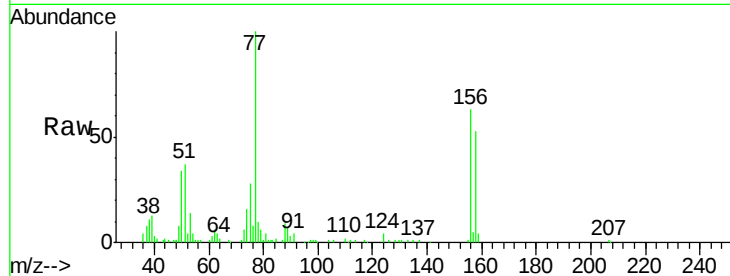
#77
Bromobenzene
Concen: 4.706 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		16869		
77	192.0		96.0	288.0	
158	97.4		49.1	147.3	

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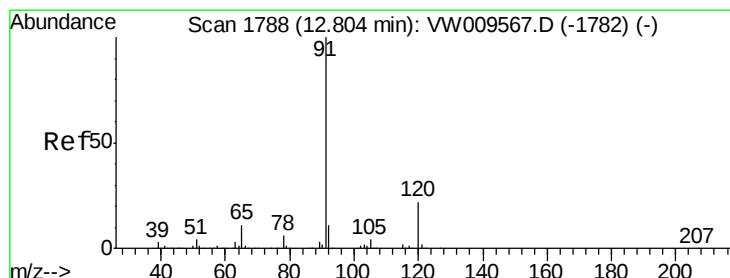
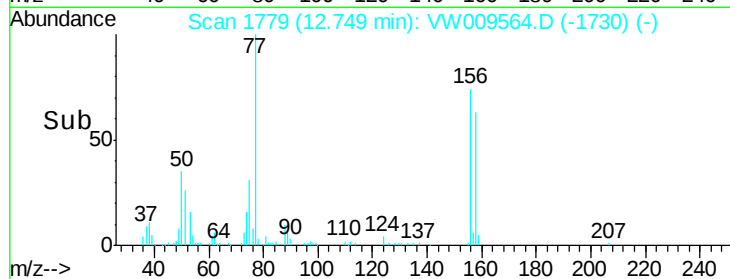
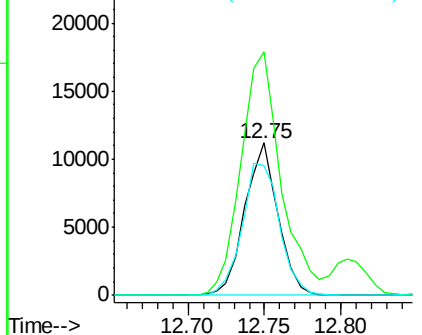


Abundance

Ion 155.80 (155.50 to 156.50): V

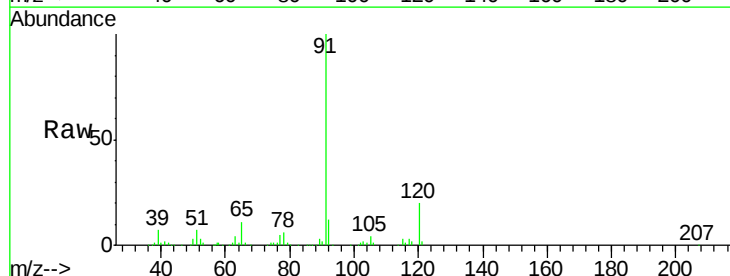
Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 4.368 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

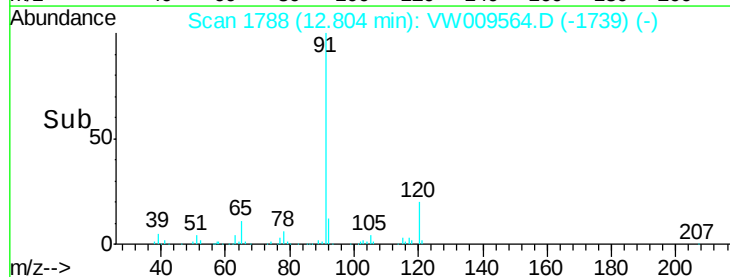
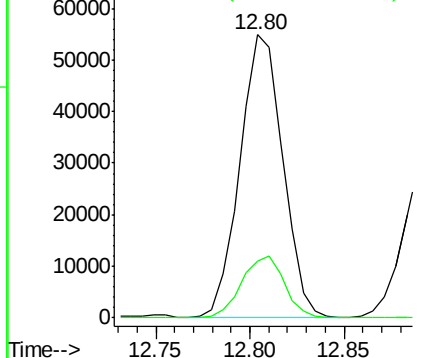
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		86546		
120	21.8		11.1	33.3	

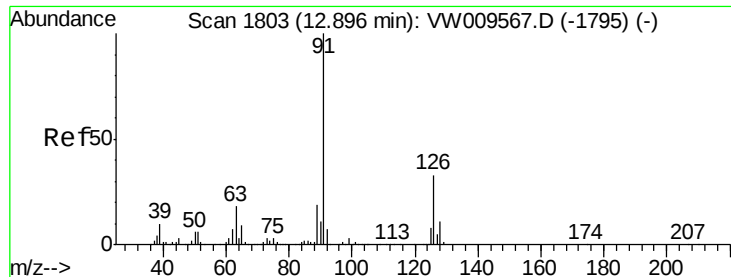


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





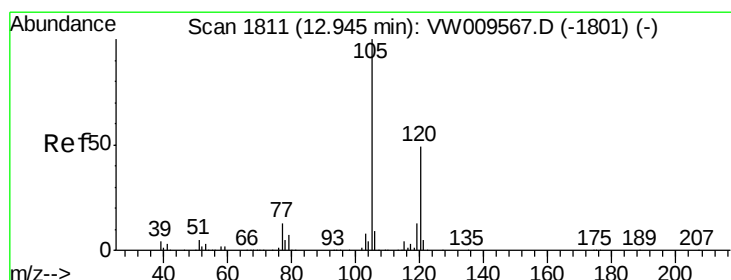
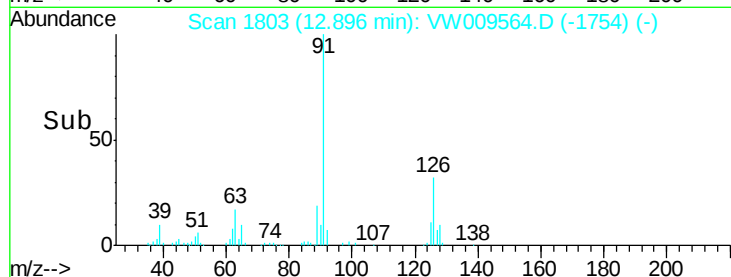
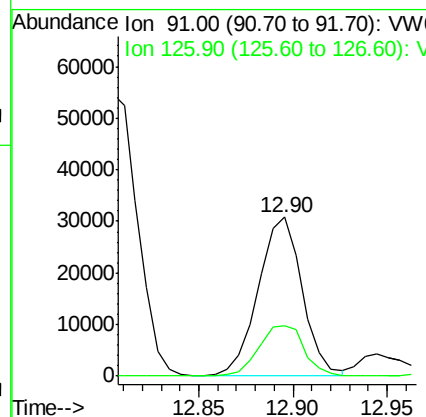
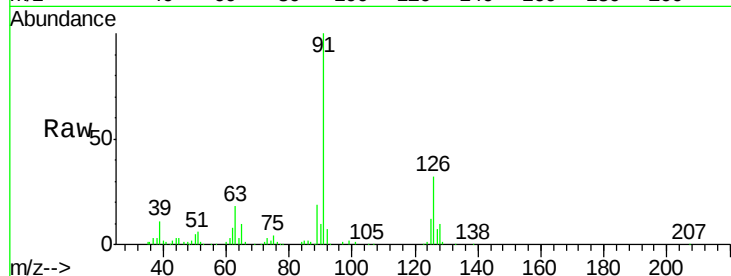
#79
2-Chlorotoluene
Concen: 4.475 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 49816
Ion Ratio Lower Upper
91 100
126 33.2 17.0 51.0

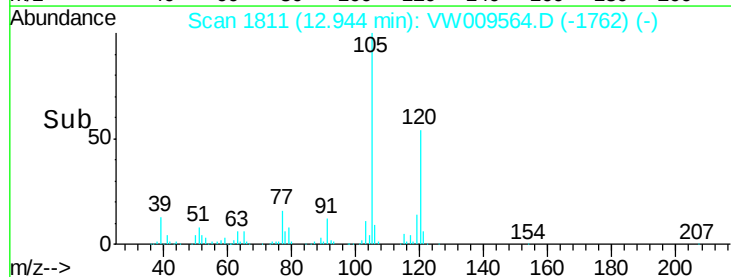
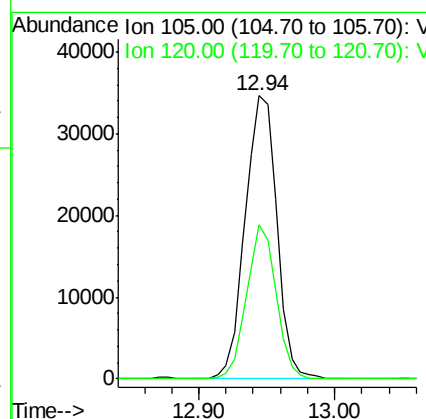
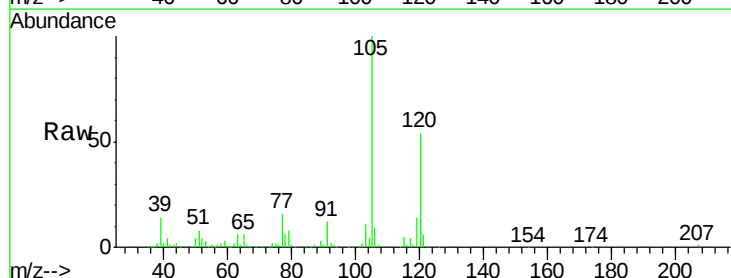
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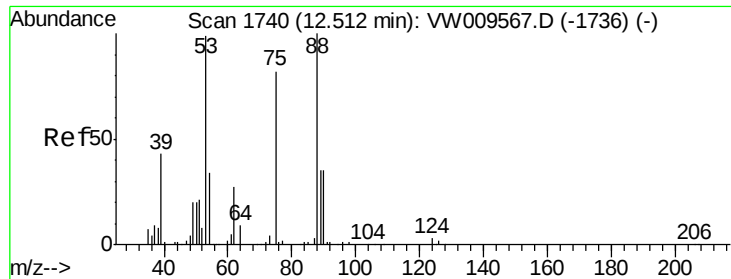
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#80
1,3,5-Trimethylbenzene
Concen: 4.140 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 105 Resp: 56349
Ion Ratio Lower Upper
105 100
120 50.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.655 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

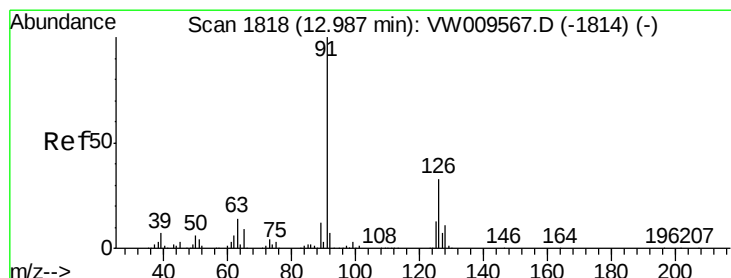
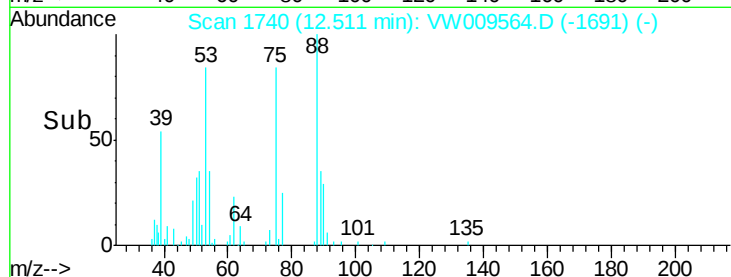
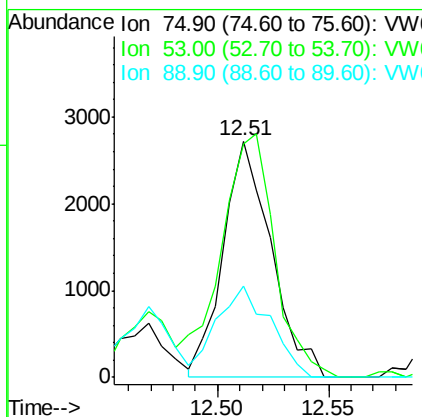
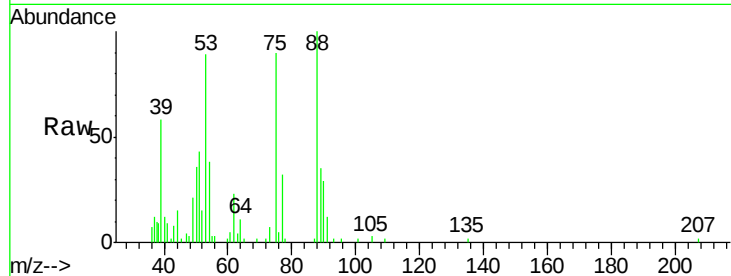
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4106
Ion	Ratio	Lower	Upper
75	100		
53	115.2	86.7	130.1
89	43.1	36.4	54.6

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#82

4-Chlorotoluene

Concen: 4.462 ug/l

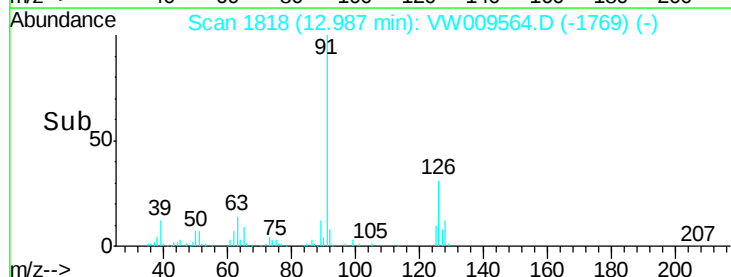
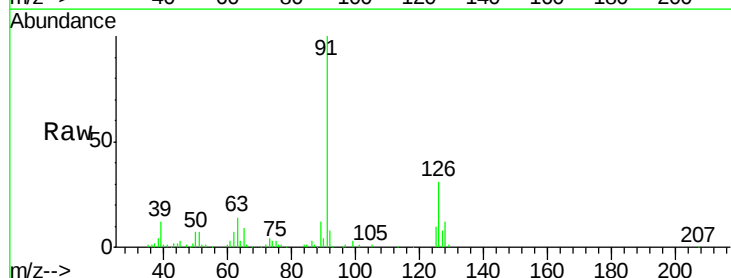
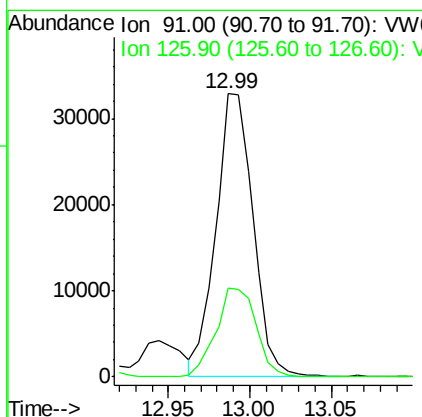
RT: 12.99 min Scan# 1818

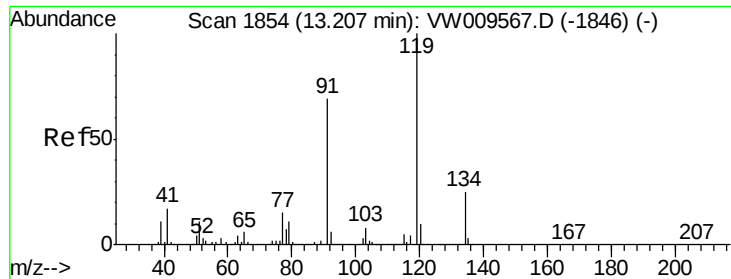
Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Tgt Ion:	91	Resp:	52309
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6





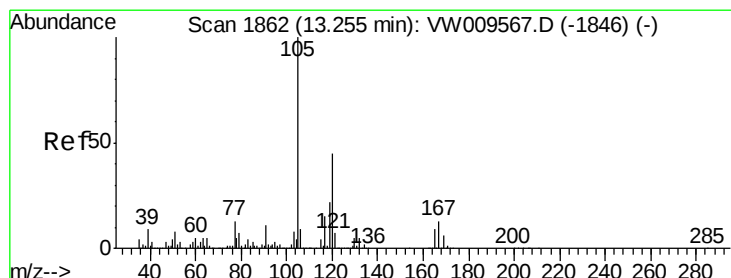
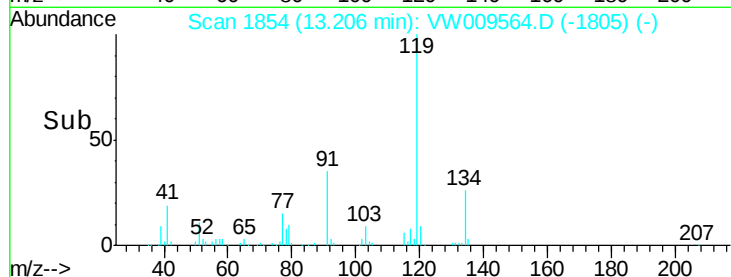
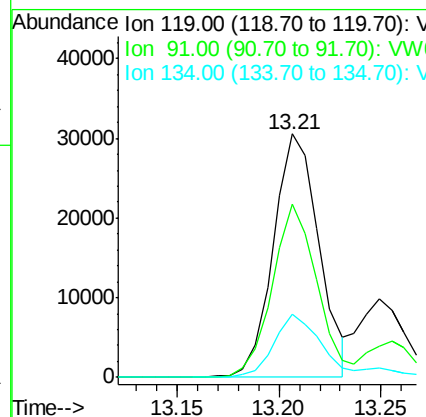
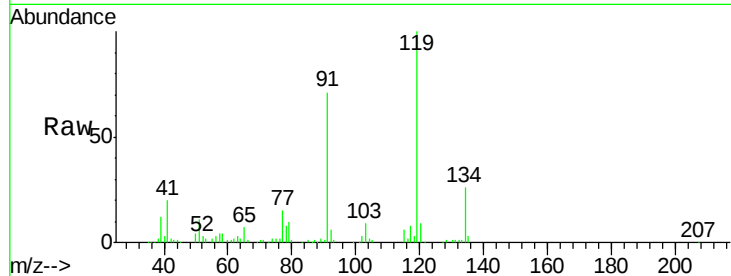
#83
 tert-Butylbenzene
 Concen: 4.116 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	34.4	103.2
134	26.4	12.7	38.1

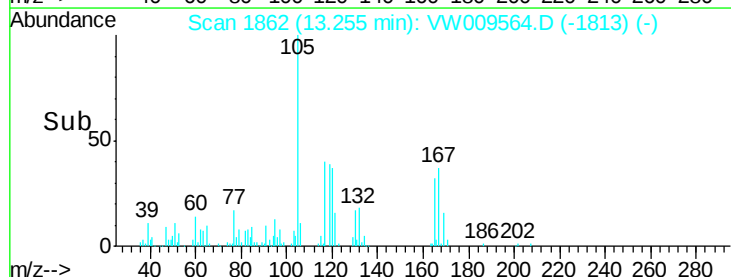
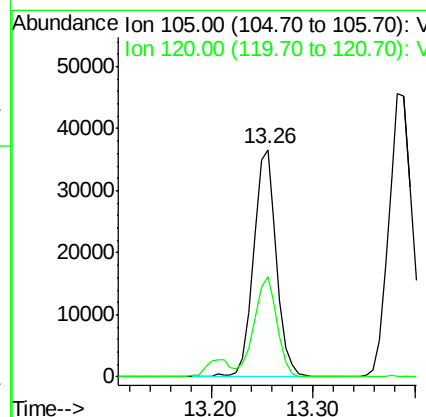
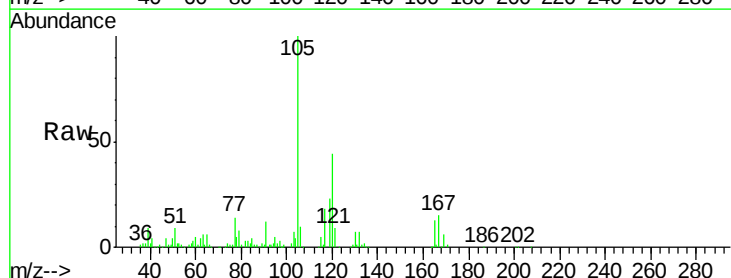
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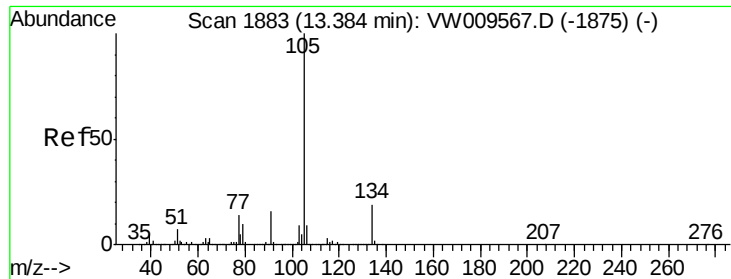
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.083 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.8	68.3





#85

sec-Butylbenzene

Concen: 4.208 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 74002

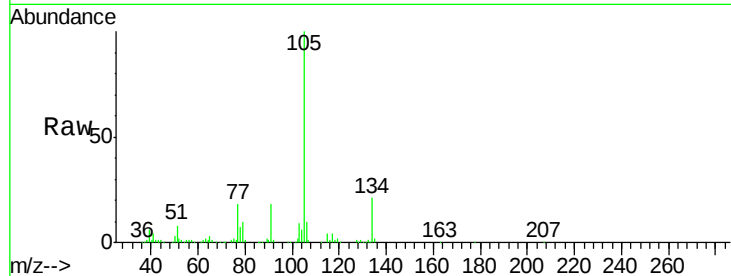
Ion Ratio Lower Upper

105 100

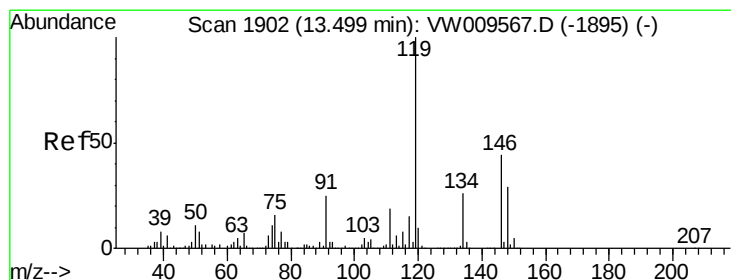
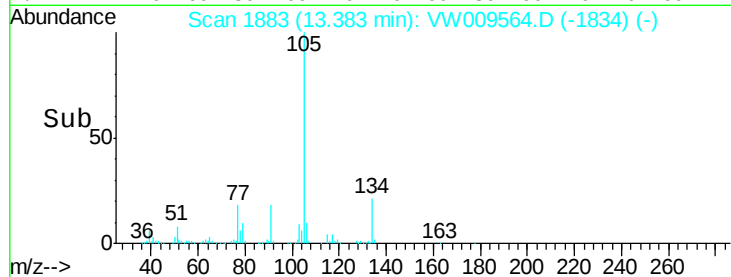
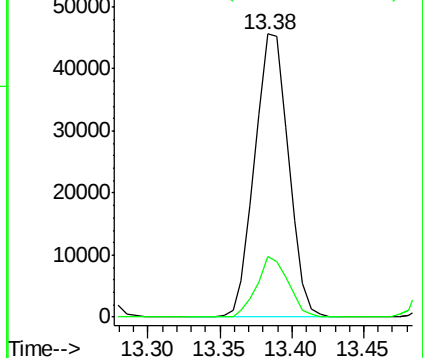
134 20.0 10.2 30.6

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.045 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009564.D

Acq: 29 Mar 2019 09:54

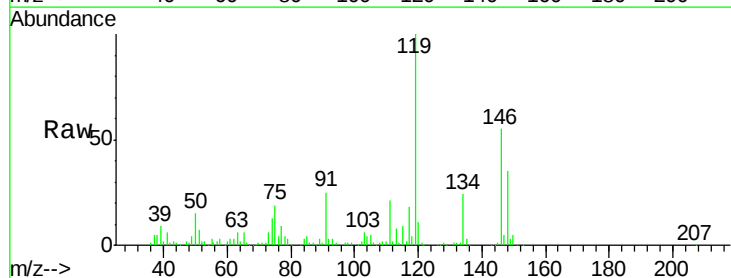
Tgt Ion:119 Resp: 61827

Ion Ratio Lower Upper

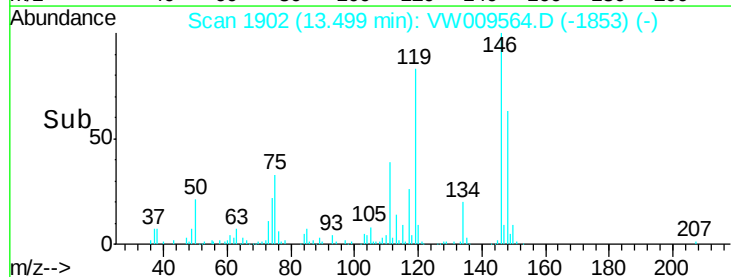
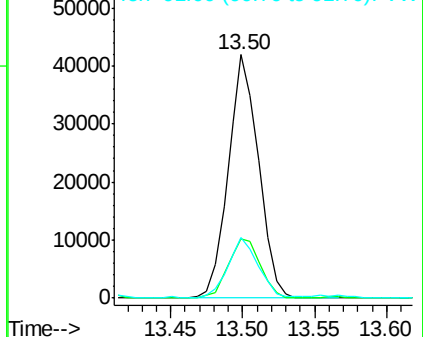
119 100

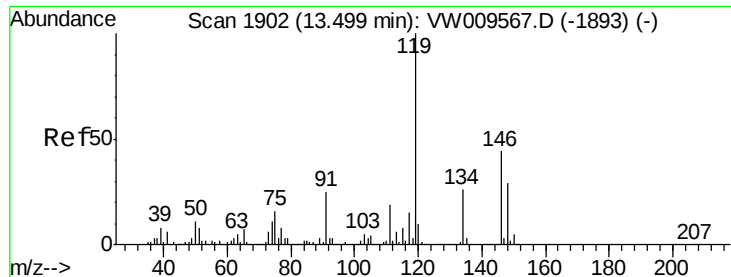
134 25.8 13.1 39.3

91 25.2 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





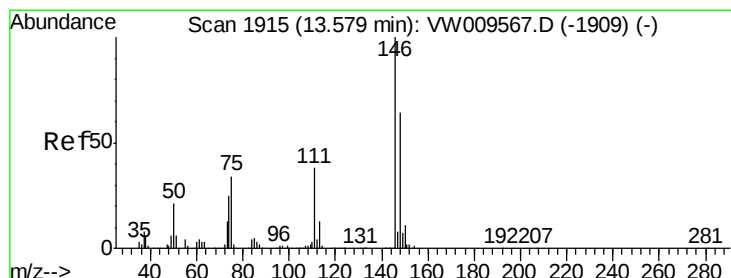
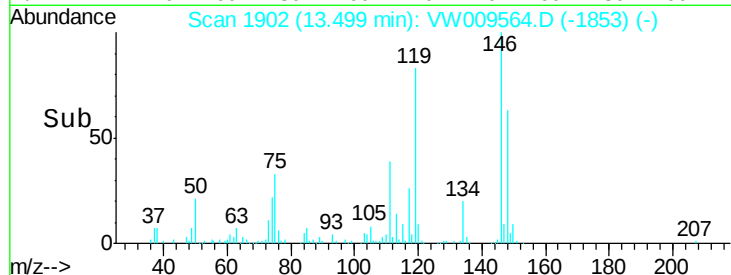
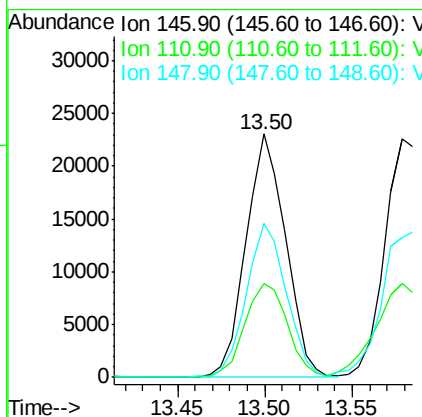
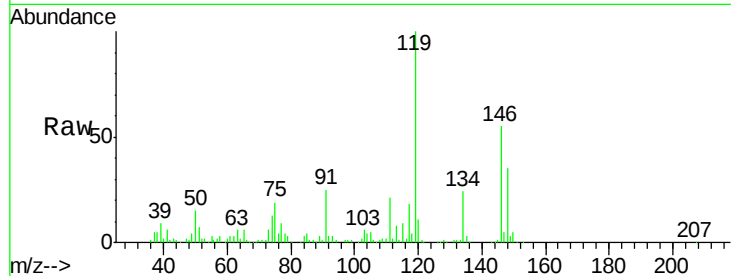
#87
 1,3-Dichlorobenzene
 Concen: 4.932 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.1	60.2
148	63.6	31.4	94.3

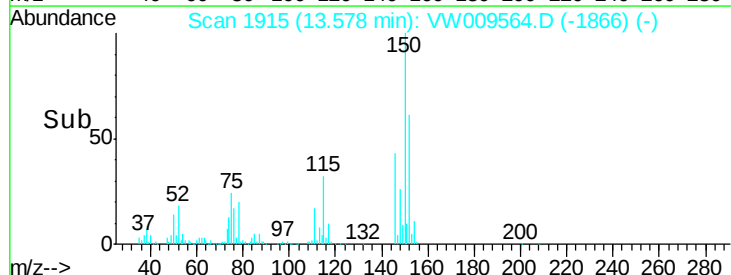
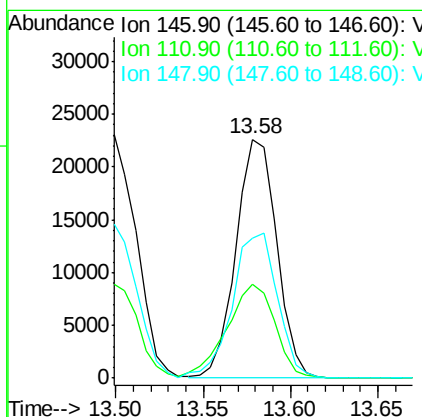
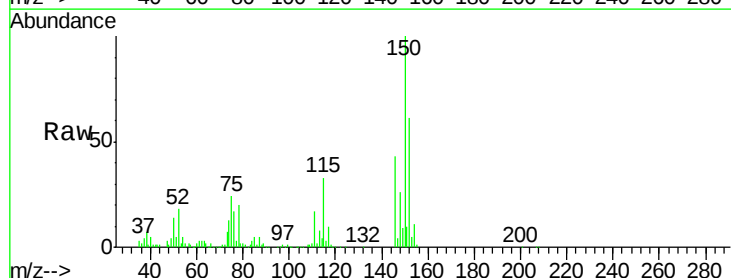
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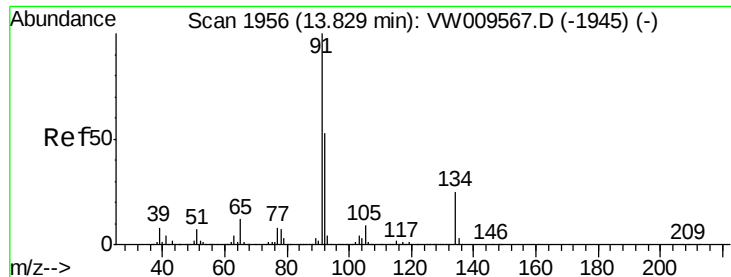
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#88
 1,4-Dichlorobenzene
 Concen: 5.031 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	19.9	59.6
148	67.0	32.2	96.6





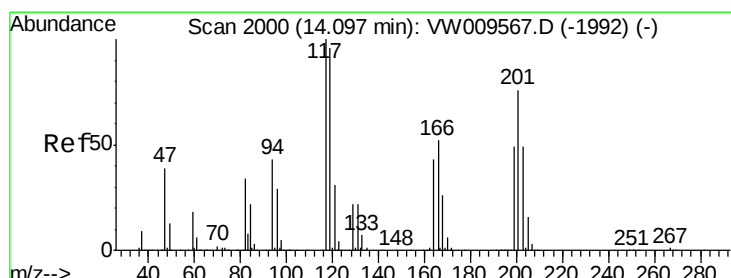
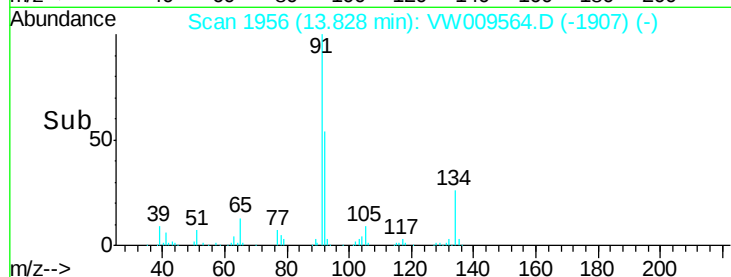
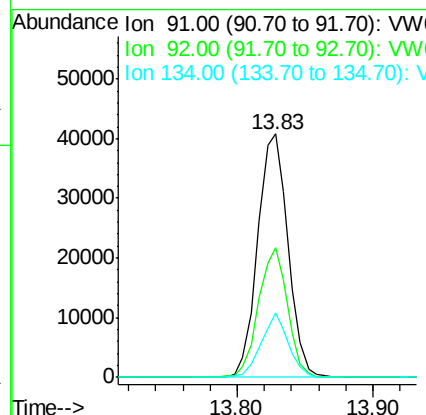
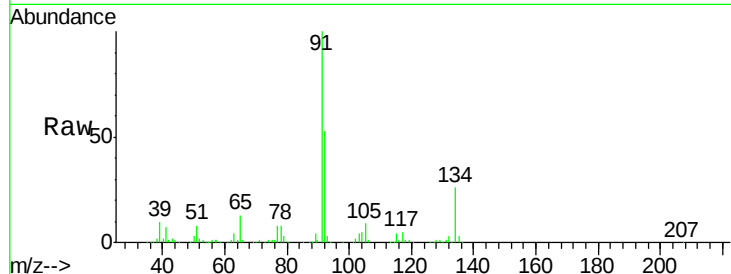
#89
n-Butylbenzene
Concen: 4.252 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.4	79.0
134	23.6	12.9	38.6

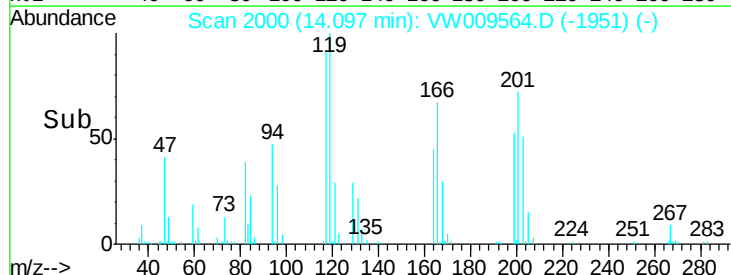
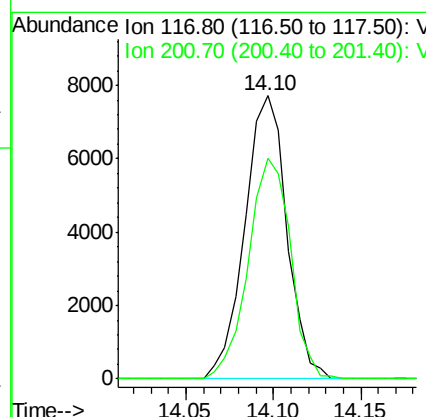
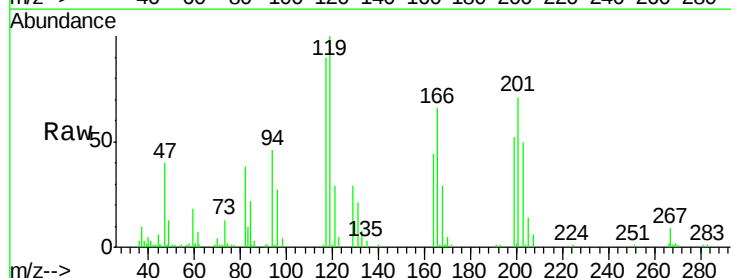
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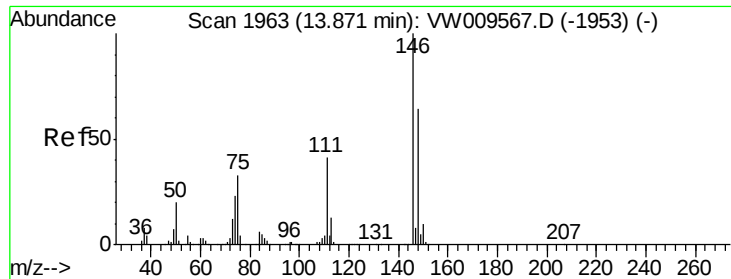
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#90
Hexachloroethane
Concen: 4.550 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	38.2	114.6





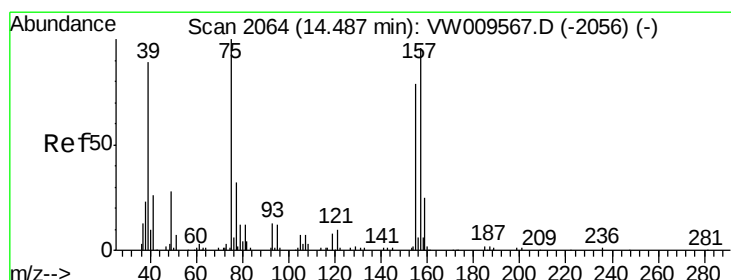
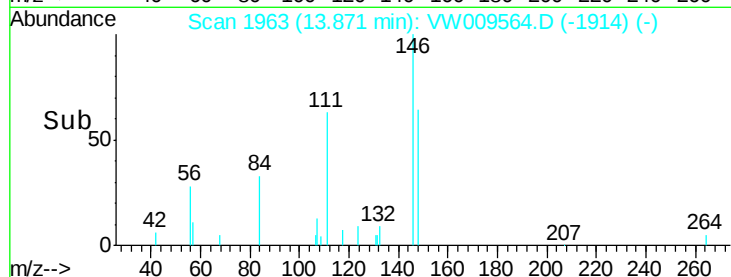
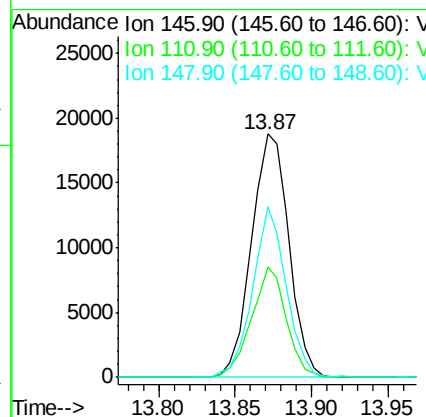
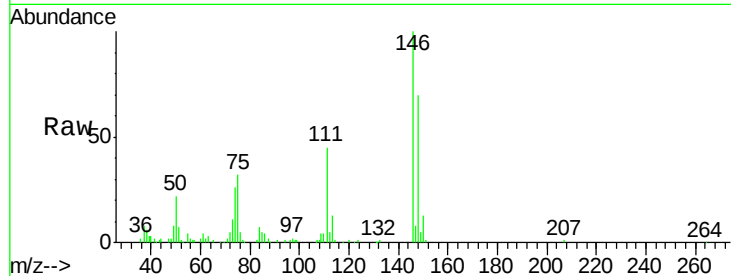
#91
 1,2-Dichlorobenzene
 Concen: 4.811 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.2
148	62.6	31.9	95.9

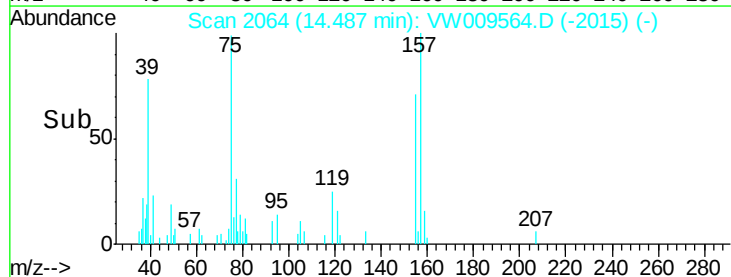
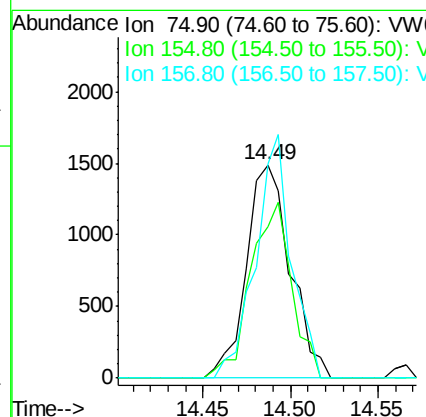
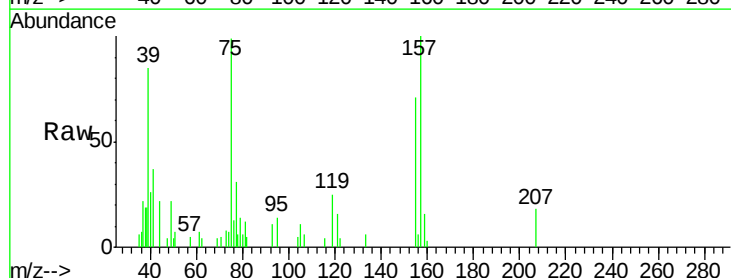
Manual Integrations
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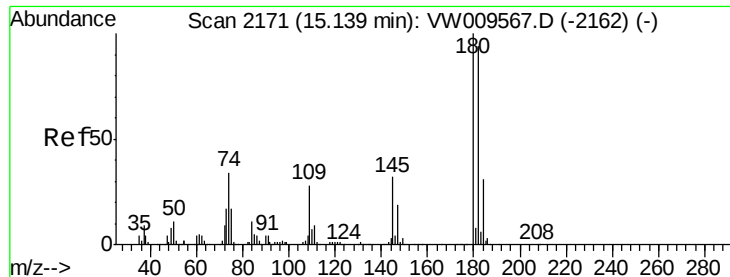
MMDadoda
 4/1/2019 4:04:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.998 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009564.D
 Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	39.3	117.8
157	92.9	49.5	148.5





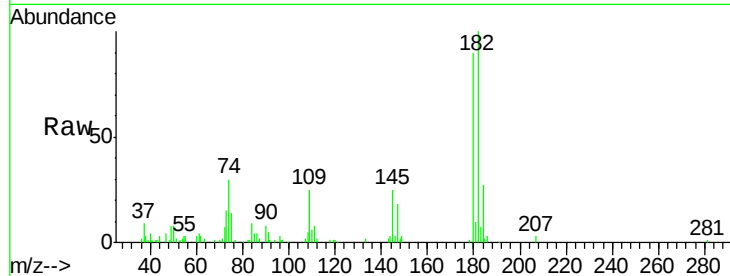
#93
1,2,4-Trichlorobenzene
Concen: 4.130 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

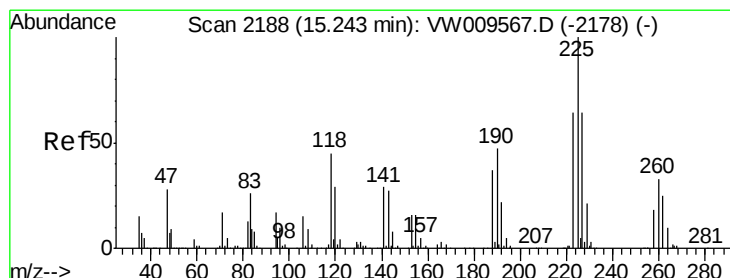
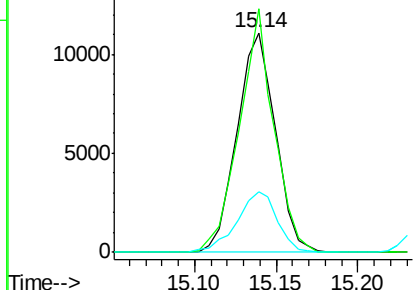
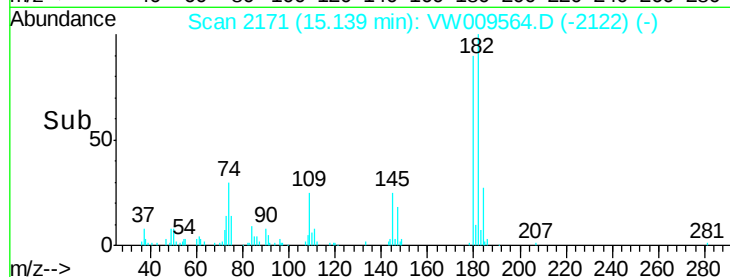
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.5	47.9	143.7	
145	29.1	15.0	45.0	

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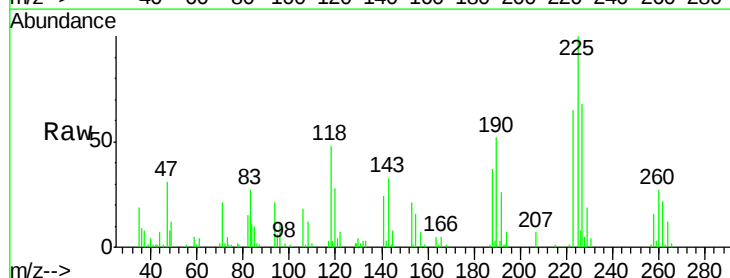


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

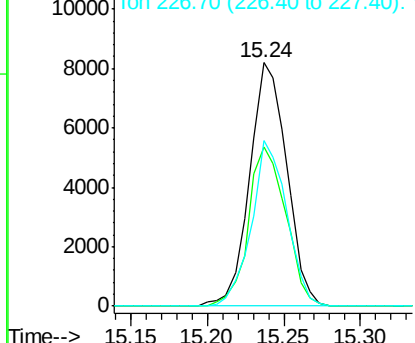
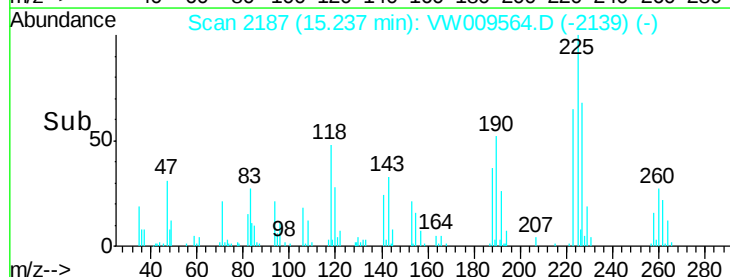


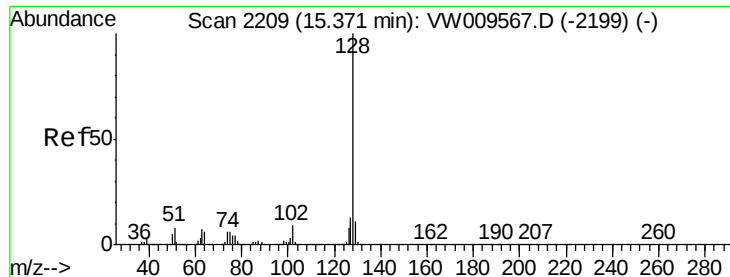
#94
Hexachlorobutadiene
Concen: 5.054 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.7	31.4	94.3	
227	64.7	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





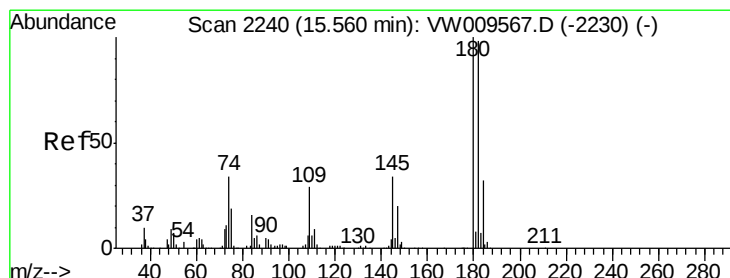
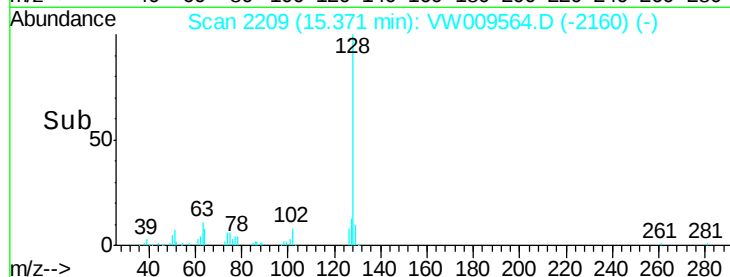
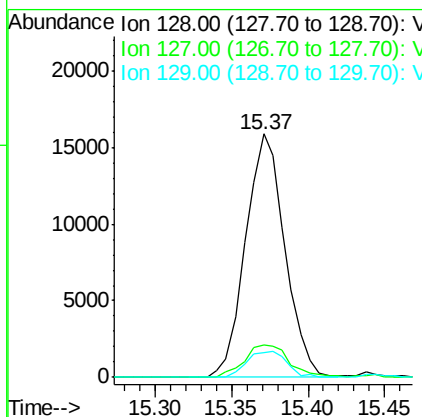
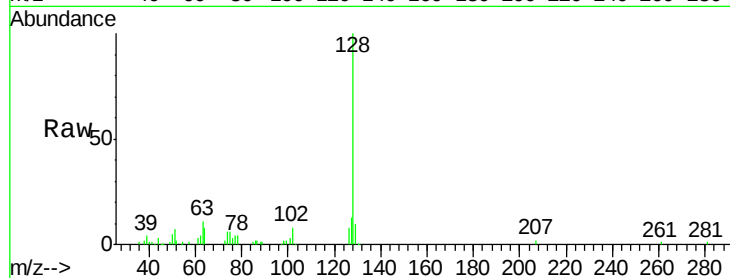
#95
Naphthalene
Concen: 3.471 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.8	16.2
129	11.1	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 4.148 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW009564.D
Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.3	141.9
145	33.1	16.0	48.0

