

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003951.D
 Acq On : 16 Jul 2018 14:33
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:11:21 AM

Quant Time: Jul 16 14:57:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:45:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	270238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	197107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	477555	160.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.82%	
35) Dibromofluoromethane	7.88	113	421899	155.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.90%	
50) Toluene-d8	10.33	98	1638546	155.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.50%	
62) 4-Bromofluorobenzene	12.62	95	599563	158.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	226586	152.07	ug/l	95
3) Chloromethane	2.21	50	283026	142.27	ug/l	100
4) Vinyl Chloride	2.36	62	397302	145.71	ug/l	99
5) Bromomethane	2.75	94	267458	159.29	ug/l	99
6) Chloroethane	2.91	64	240013	156.44	ug/l	96
7) Trichlorofluoromethane	3.24	101	154201	132.38	ug/l	97
8) Diethyl Ether	3.67	74	205248	155.58	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	386557	146.24	ug/l	100
10) Methyl Iodide	4.26	142	594811	157.89	ug/l	99
11) Tert butyl alcohol	5.19	59	174717	850.40	ug/l	99
12) 1,1-Dichloroethene	4.03	96	396998	152.93	ug/l	99
13) Acrolein	3.89	56	148685	693.54	ug/l	97
14) Allyl chloride	4.65	41	647495	150.29	ug/l	99
15) Acrylonitrile	5.37	53	554232	817.31	ug/l	100
16) Acetone	4.12	43	526108	728.60	ug/l	98
17) Carbon Disulfide	4.37	76	1232609	151.81	ug/l	100
18) Methyl Acetate	4.67	43	287885	168.11	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	808157	162.68	ug/l	99
20) Methylene Chloride	4.91	84	437698	160.89	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	431795	151.37	ug/l	97
22) Diisopropyl ether	6.31	45	1365200	157.33	ug/l	98
23) Vinyl Acetate	6.25	43	4591572	838.05	ug/l	100
24) 1,1-Dichloroethane	6.21	63	812628	153.90	ug/l	99
25) 2-Butanone	7.18	43	801368	830.76	ug/l	100
26) 2,2-Dichloropropane	7.17	77	413083	134.57	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	481693	156.95	ug/l	98
28) Bromochloromethane	7.51	49	311562	143.74	ug/l	100
29) Tetrahydrofuran	7.53	42	513783	855.68	ug/l	100
30) Chloroform	7.68	83	805835	153.36	ug/l	98
31) Cyclohexane	7.95	56	708884	142.16	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	609687	147.99	ug/l	99
36) 1,1-Dichloropropene	8.08	75	647148	147.77	ug/l	100
37) Ethyl Acetate	7.26	43	344939	163.77	ug/l	100
38) Carbon Tetrachloride	8.07	117	607609	148.57	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	794451	154.99	ug/l	100
40) Benzene	8.32	78	1820637	150.20	ug/l	99
41) Methacrylonitrile	7.49	41	210929	184.88	ug/l	89
42) 1,2-Dichloroethane	8.40	62	565836	153.11	ug/l	100
43) Isopropyl Acetate	8.43	43	666164	170.40	ug/l	99
44) Trichloroethene	9.09	130	471917	150.10	ug/l	97
45) 1,2-Dichloropropane	9.37	63	471744	152.94	ug/l	100
46) Dibromomethane	9.46	93	249764	155.74	ug/l	99
47) Bromodichloromethane	9.65	83	621945	158.17	ug/l	98
48) Methyl methacrylate	9.44	41	333066	176.13	ug/l	97
49) 1,4-Dioxane	9.46	88	82082	3323.01	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1755801	837.80	ug/l	100
52) Toluene	10.39	92	1134804	151.40	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	668209	162.42	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	753612	160.15	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	346666	153.46	ug/l	99
56) Ethyl methacrylate	10.65	69	511336	176.52	ug/l	98
57) 1,3-Dichloropropane	10.94	76	612504	156.23	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	1133964	853.95	ug/l	100
59) 2-Hexanone	10.98	43	1247402	843.96	ug/l	100
60) Dibromochloromethane	11.13	129	422550	161.37	ug/l	99
61) 1,2-Dibromoethane	11.24	107	346980	162.52	ug/l	99
64) Tetrachloroethene	10.87	164	404986	148.76	ug/l	98
65) Chlorobenzene	11.66	112	1240234	147.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	449317	154.33	ug/l	99
67) Ethyl Benzene	11.74	91	2278147	154.08	ug/l	100
68) m/p-Xylenes	11.85	106	1712793	303.00	ug/l	99
69) o-Xylene	12.17	106	810083	154.53	ug/l	99
70) Styrene	12.19	104	1377532	157.69	ug/l	99
71) Bromoform	12.35	173	266635	162.28	ug/l	100
73) Isopropylbenzene	12.47	105	2205077	160.27	ug/l	100
74) N-amyl acetate	12.28	43	630348	176.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	428186	160.63	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	300657m	155.19	ug/l	
77) Bromobenzene	12.75	156	519106	157.91	ug/l	99
78) n-propylbenzene	12.81	91	2658653	157.06	ug/l	100
79) 2-Chlorotoluene	12.90	91	1492064	156.47	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1819904	156.65	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	148652	171.01	ug/l	99
82) 4-Chlorotoluene	12.99	91	1589146	155.74	ug/l	100
83) tert-Butylbenzene	13.21	119	1548412	158.79	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1875319	157.16	ug/l	99
85) sec-Butylbenzene	13.39	105	2237077	154.32	ug/l	100
86) p-Isopropyltoluene	13.51	119	1979203	155.32	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	1000484	151.70	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	985807	149.05	ug/l	99
89) n-Butylbenzene	13.83	91	1920953	153.39	ug/l	98
90) Hexachloroethane	14.10	117	366815	157.40	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	897351	152.65	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77200	163.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	645530	156.75	ug/l	98
94) Hexachlorobutadiene	15.25	225	353907	148.52	ug/l	99
95) Naphthalene	15.38	128	1312041	172.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	577626	158.62	ug/l	100

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

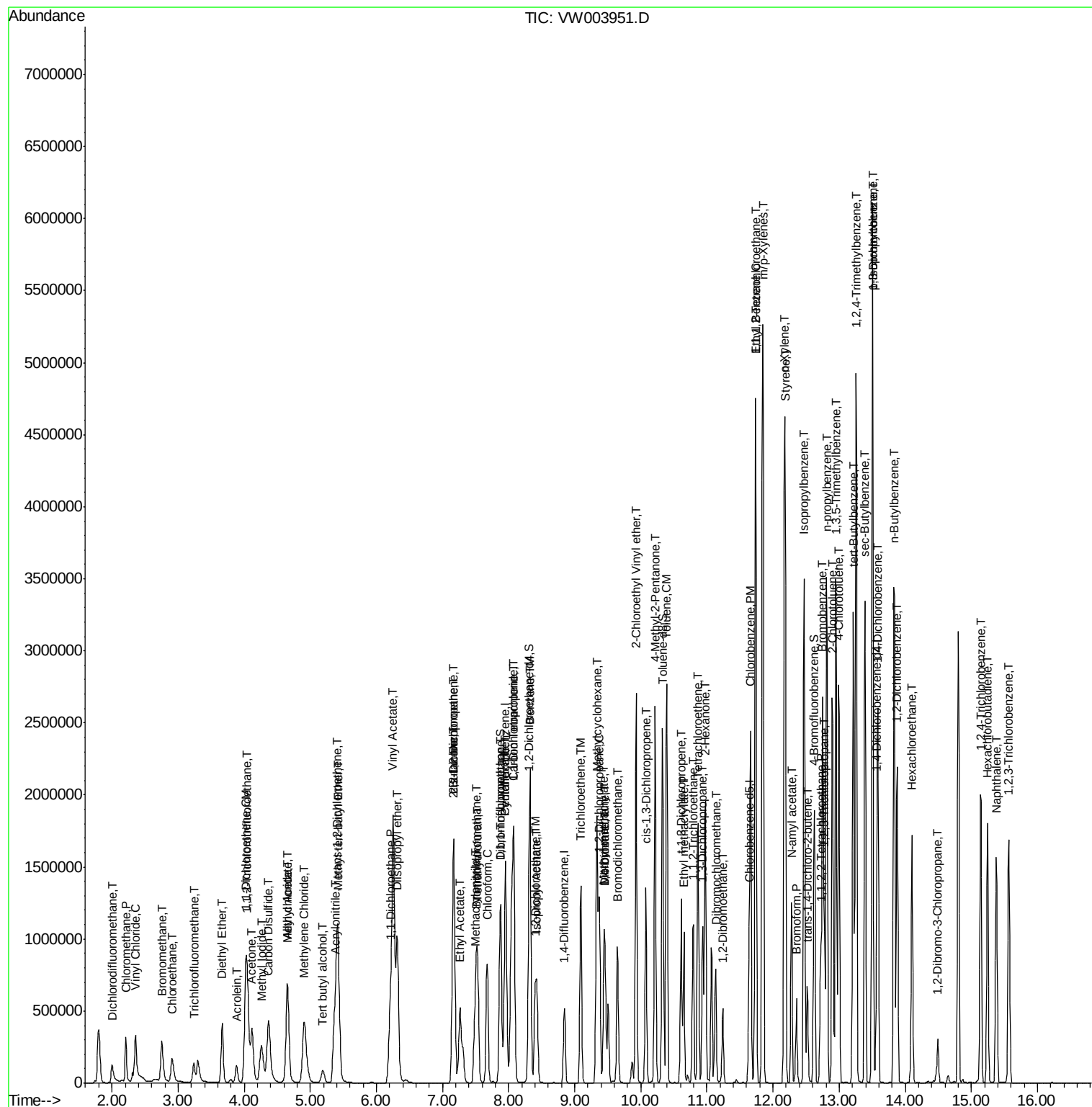
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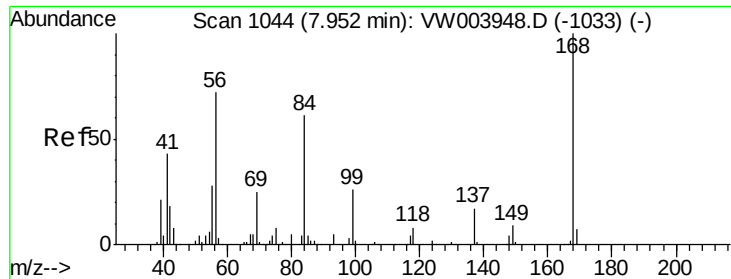
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 270238

Ion Ratio Lower Upper

168 100

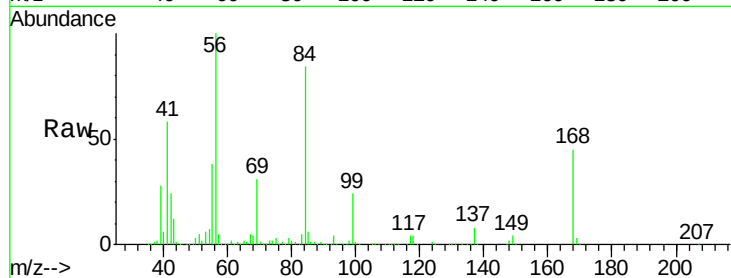
99 54.5 43.8 65.6

Manual Integrations

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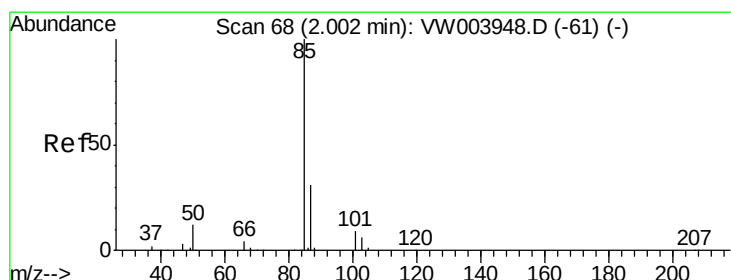
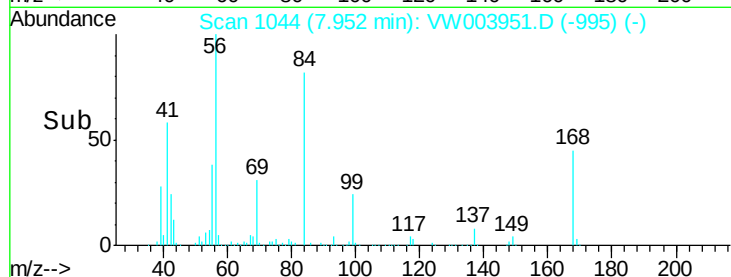
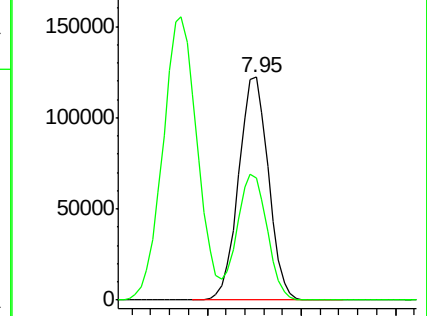
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 152.07 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003951.D

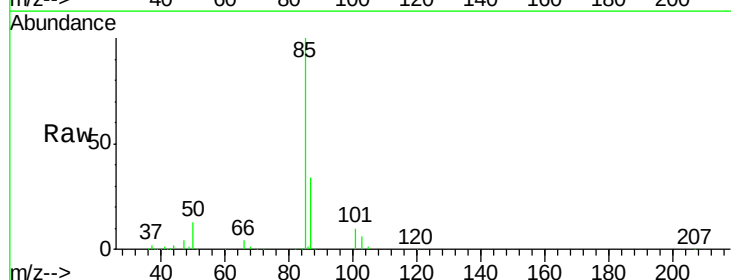
Acq: 16 Jul 2018 14:33

Tgt Ion: 85 Resp: 226586

Ion Ratio Lower Upper

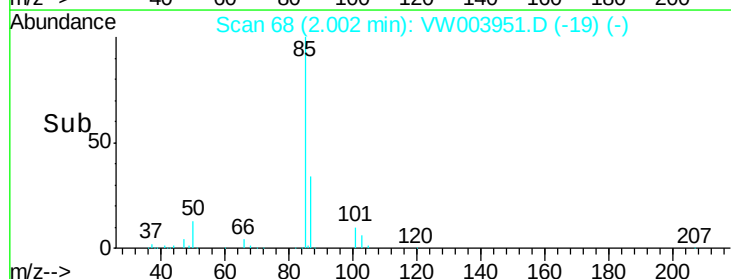
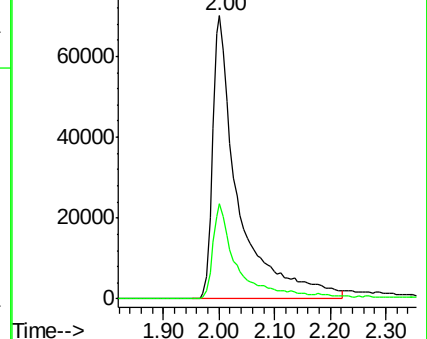
85 100

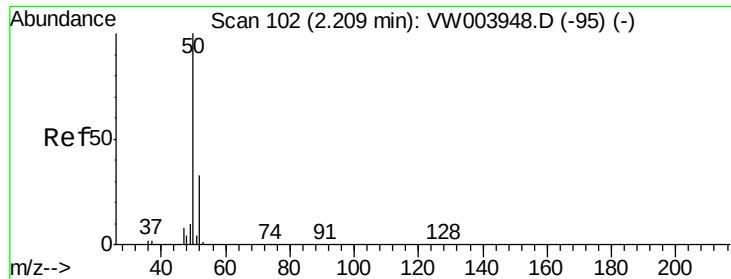
87 33.8 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 142.27 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 283026

Ion Ratio Lower Upper

50 100

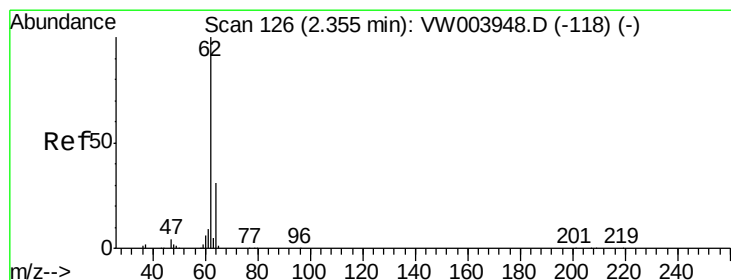
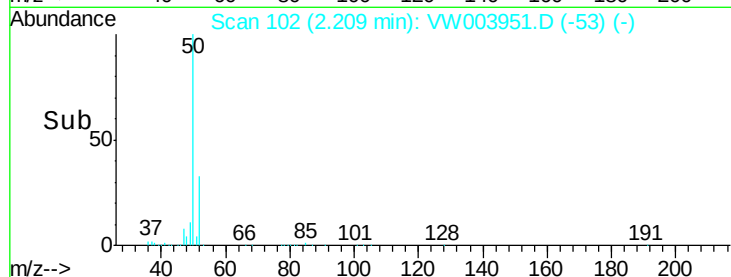
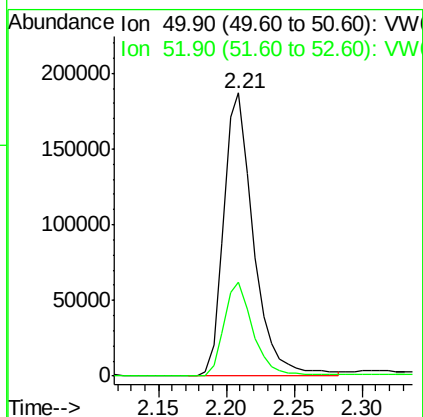
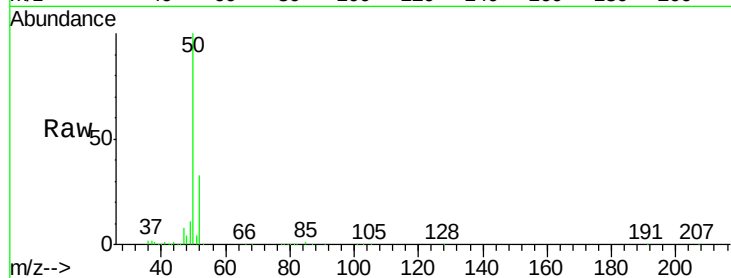
52 33.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 145.71 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003951.D

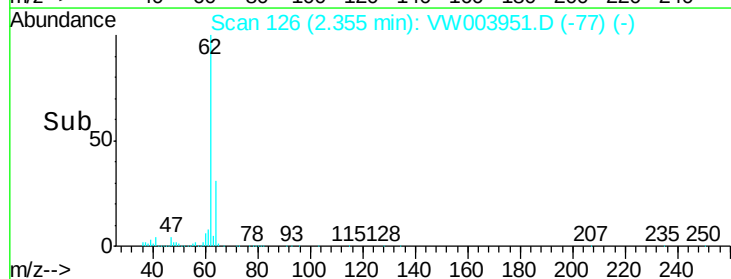
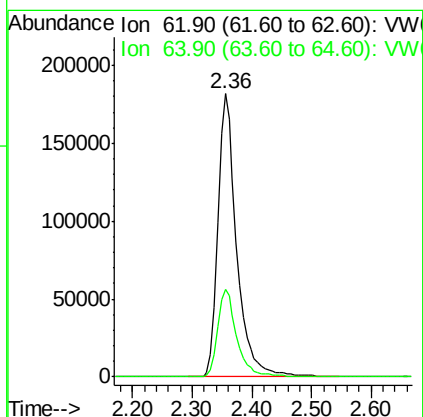
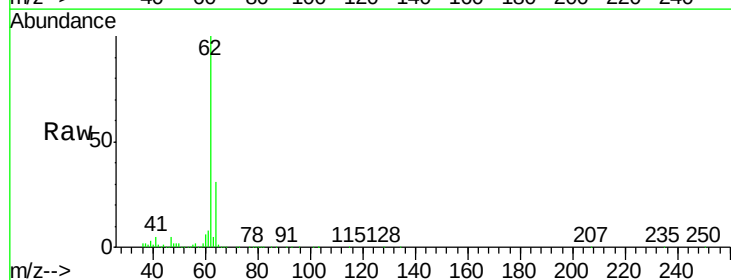
Acq: 16 Jul 2018 14:33

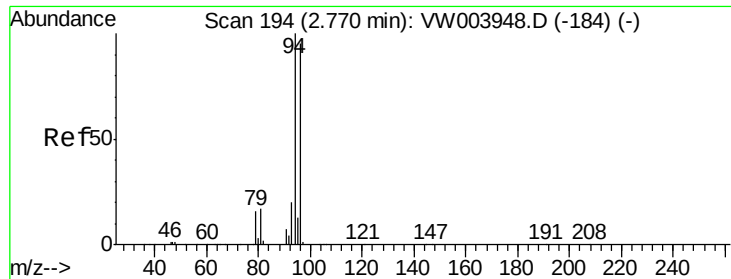
Tgt Ion: 62 Resp: 397302

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.6





#5

Bromomethane

Concen: 159.29 ug/l

RT: 2.75 min Scan# 191

Delta R.T. -0.02 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 267458

Ion Ratio Lower Upper

94 100

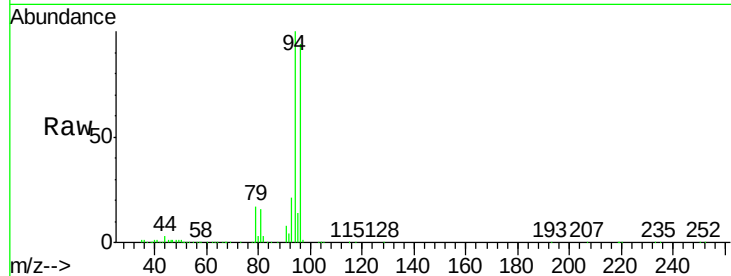
96 93.8 75.8 113.6

Manual Integrations

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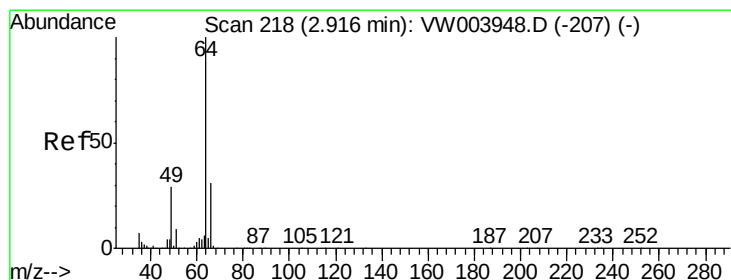
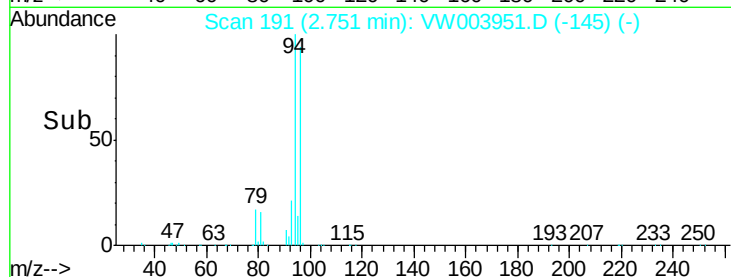
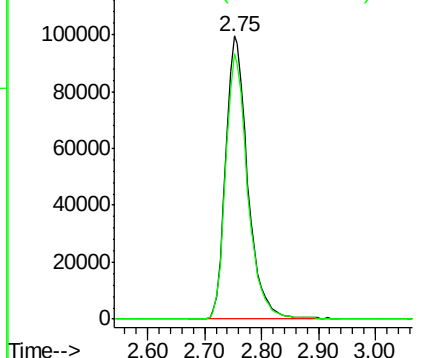
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 156.44 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW003951.D

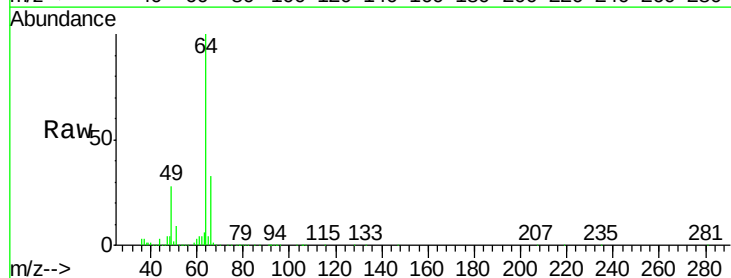
Acq: 16 Jul 2018 14:33

Tgt Ion: 64 Resp: 240013

Ion Ratio Lower Upper

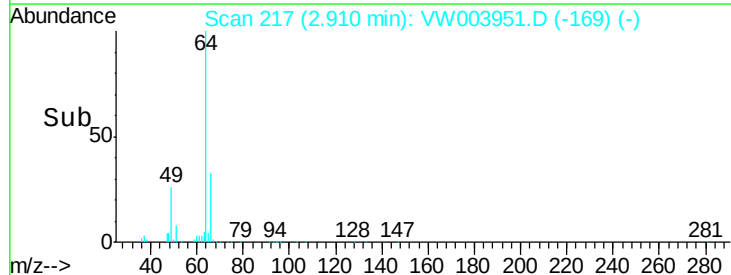
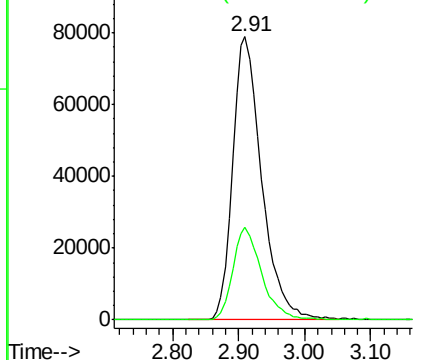
64 100

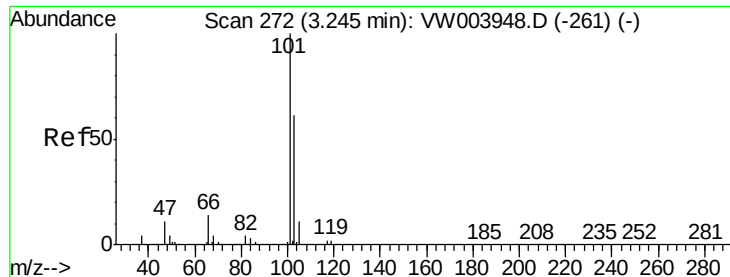
66 32.7 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

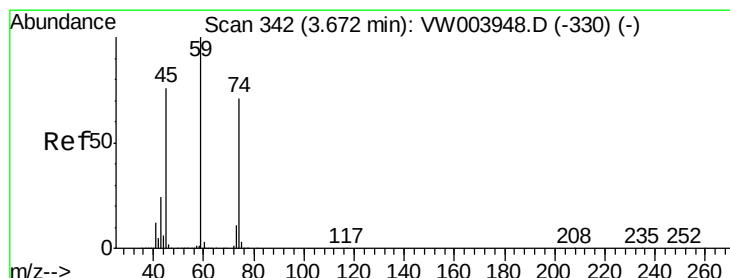
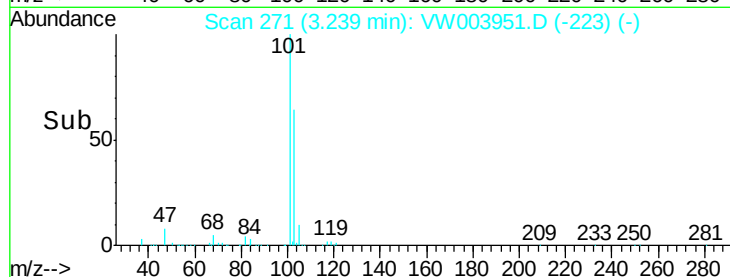
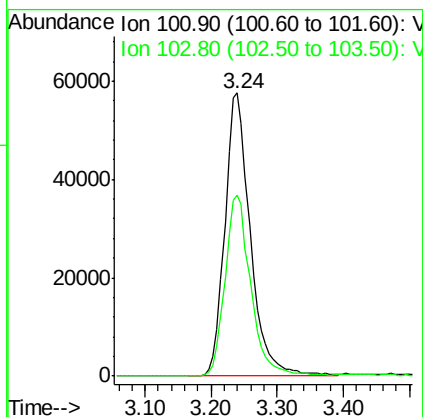
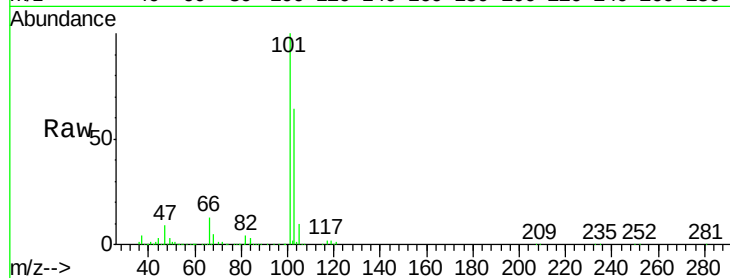
Trichlorofluoromethane
 Concen: 132.38 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	49.0	73.6

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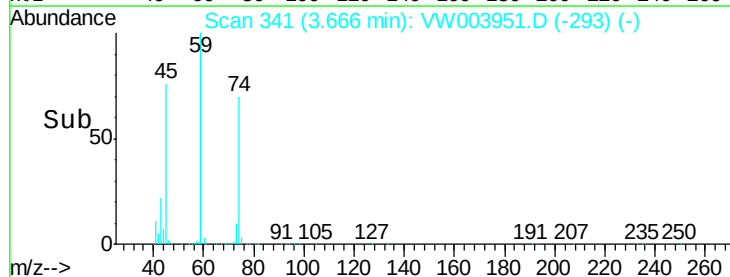
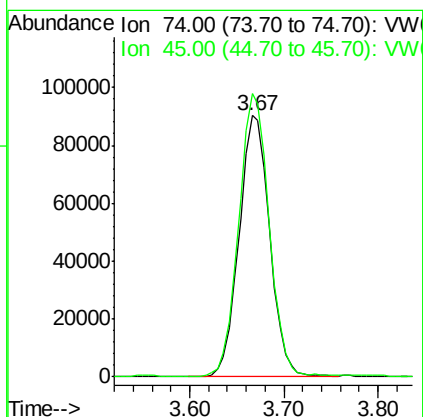
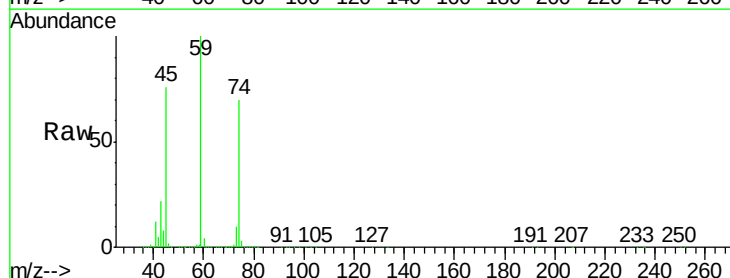
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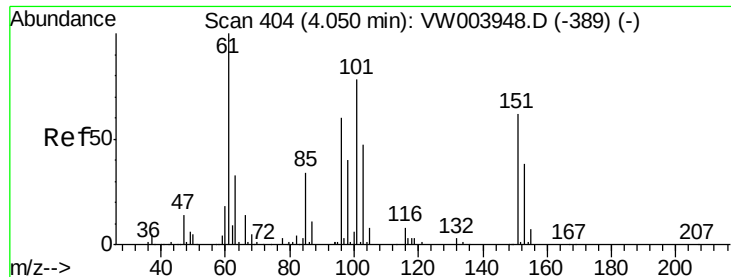


#8

Diethyl Ether
 Concen: 155.58 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.24 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

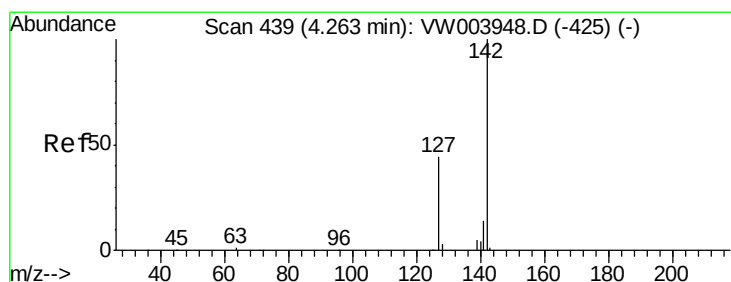
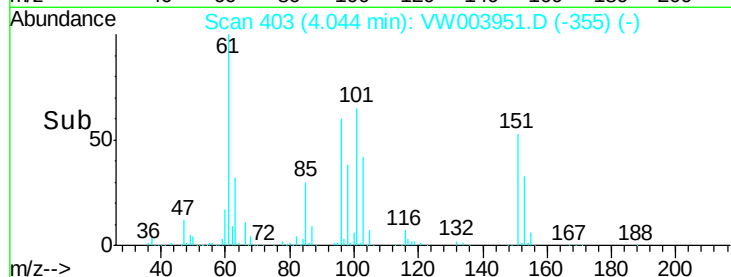
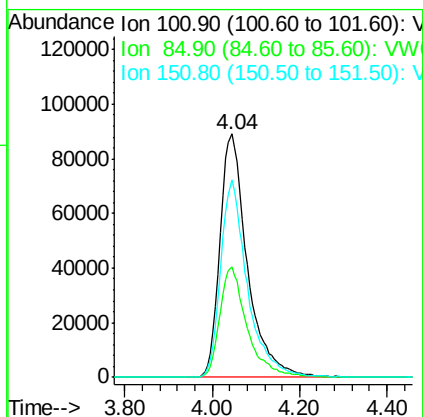
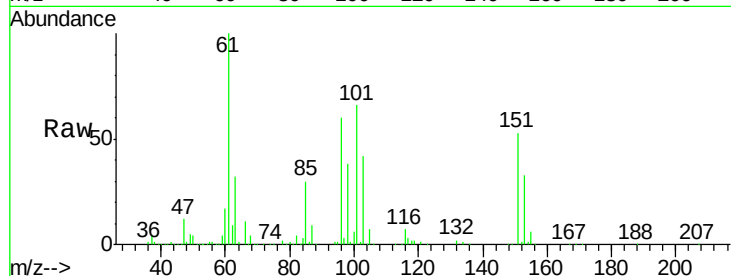
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	386557
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.8	53.6
151	79.0	63.6	95.4

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#10

Methyl Iodide

Concen: 157.89 ug/l

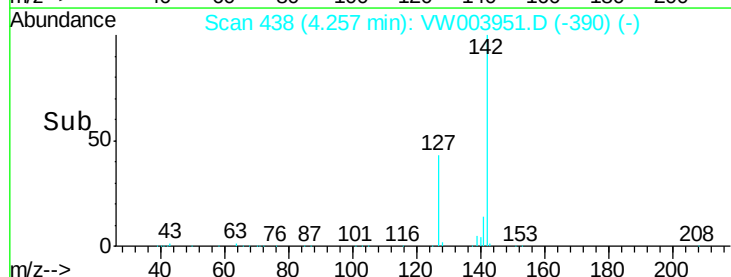
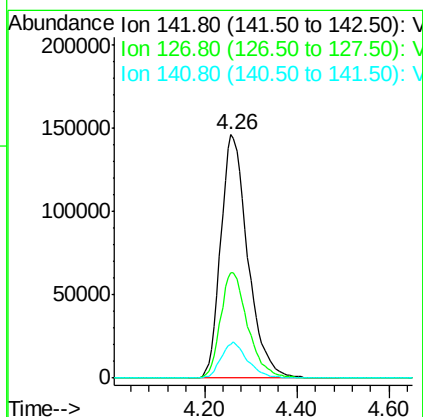
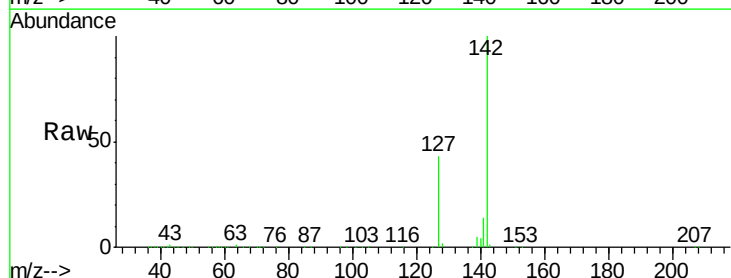
RT: 4.26 min Scan# 438

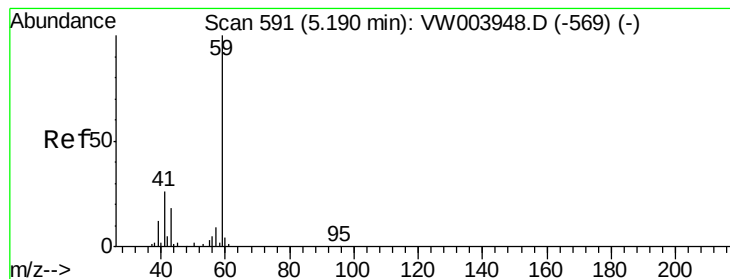
Delta R.T. -0.01 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	142	Resp:	594811
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.4	53.2
141	14.4	11.7	17.5





#11

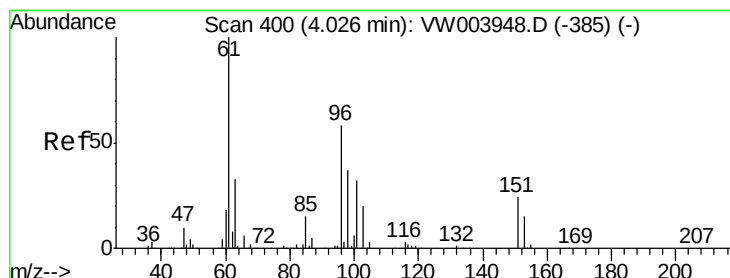
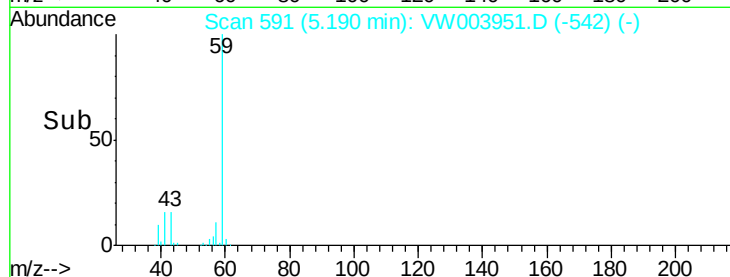
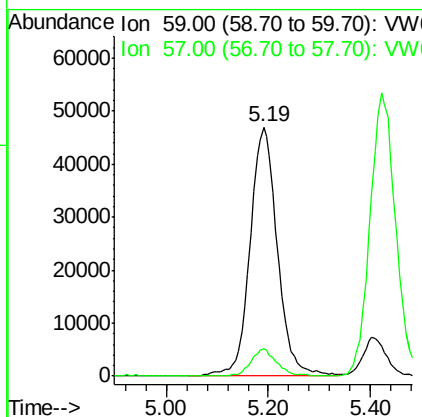
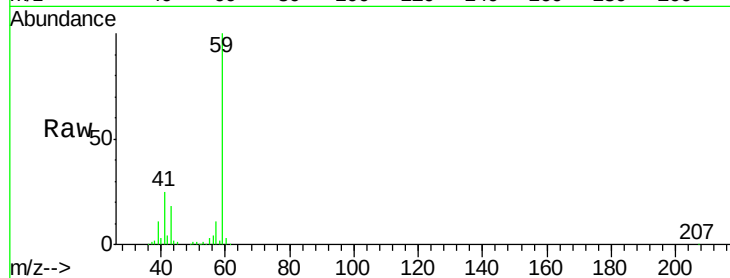
Tert butyl alcohol
 Concen: 850.40 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	59	Resp	174717
Ion Ratio	100	Lower	Upper
57	10.3	8.5	12.7

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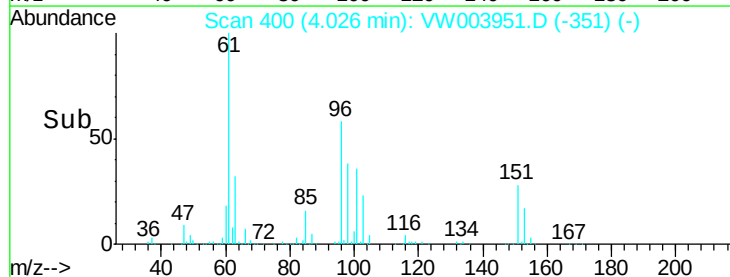
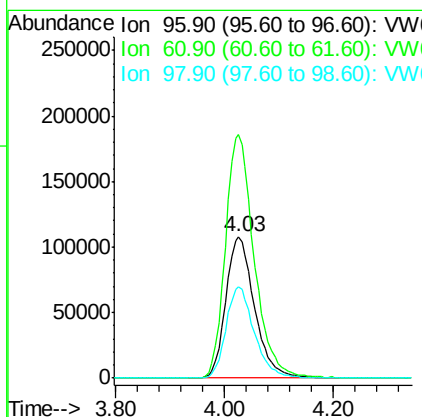
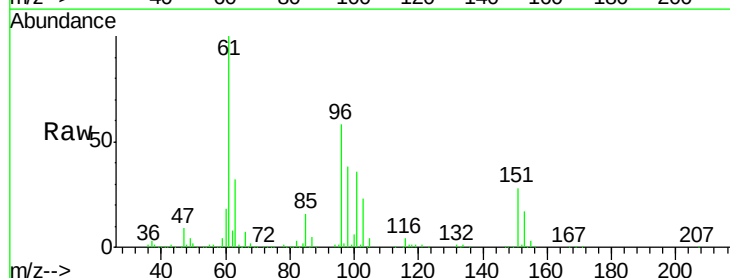
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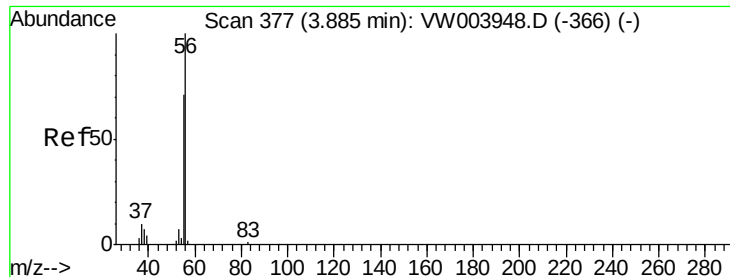


#12

1,1-Dichloroethene
 Concen: 152.93 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion	96	Resp	396998
Ion Ratio	100	Lower	Upper
61	171.7	137.0	205.6
98	64.6	50.2	75.4





#13

Acrolein

Concen: 693.54 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 148685

Ion Ratio Lower Upper

56 100

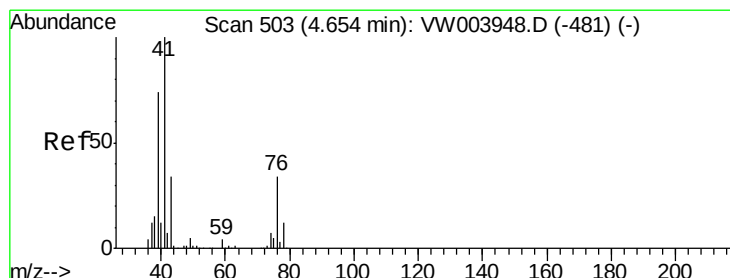
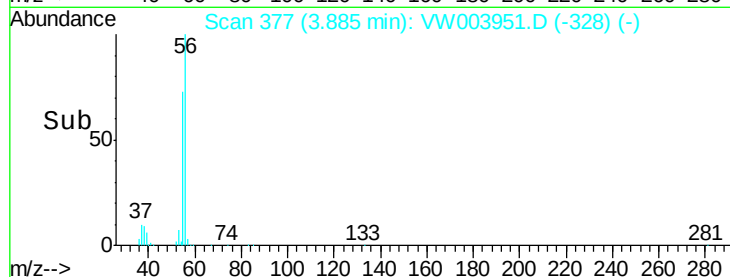
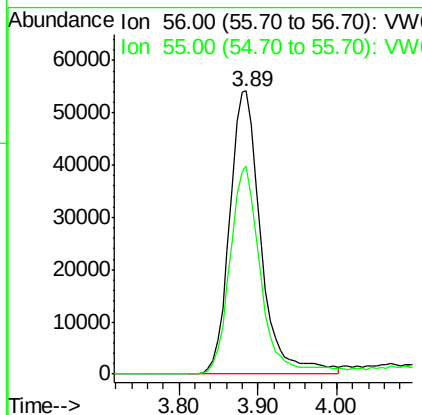
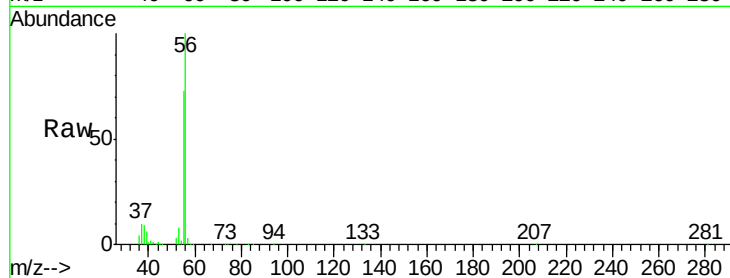
55 70.3 58.2 87.4

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#14

Allyl chloride

Concen: 150.29 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

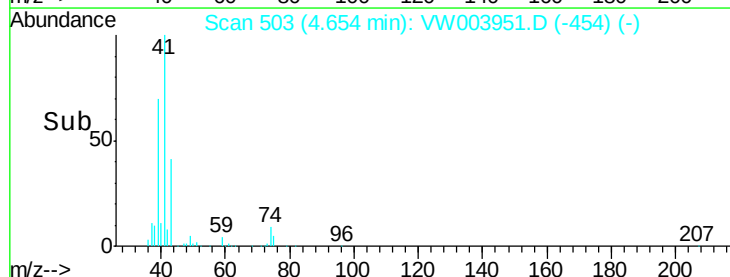
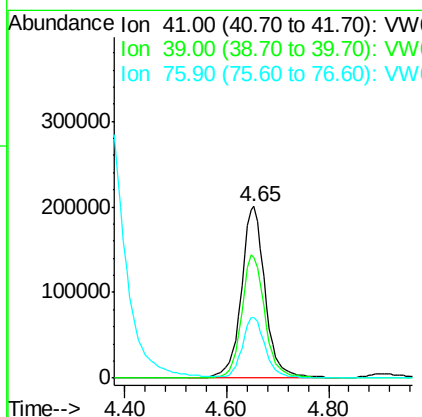
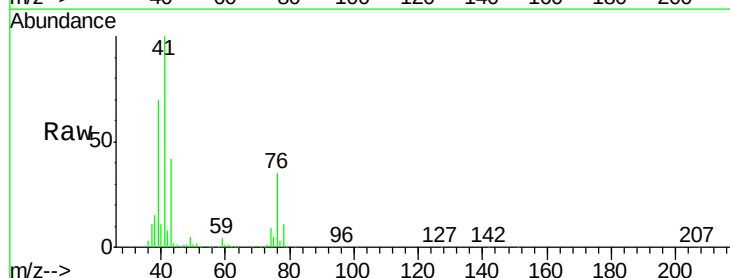
Tgt Ion: 41 Resp: 647495

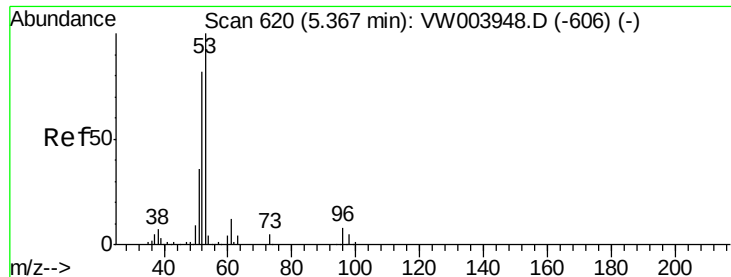
Ion Ratio Lower Upper

41 100

39 70.2 57.0 85.4

76 34.1 26.5 39.7





#15

Acrylonitrile

Concen: 817.31 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

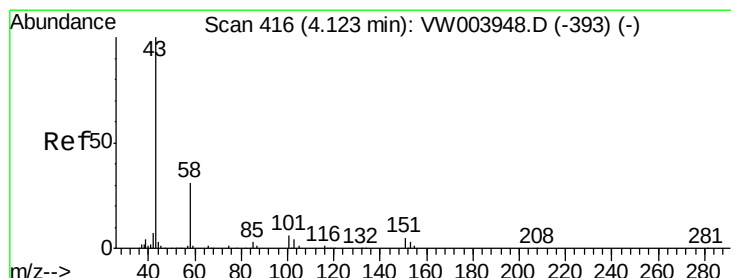
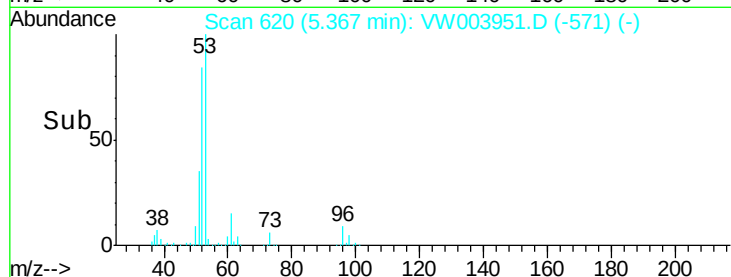
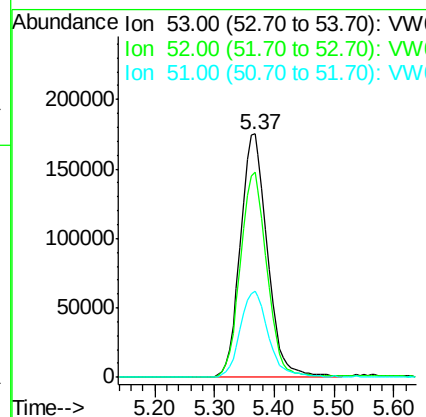
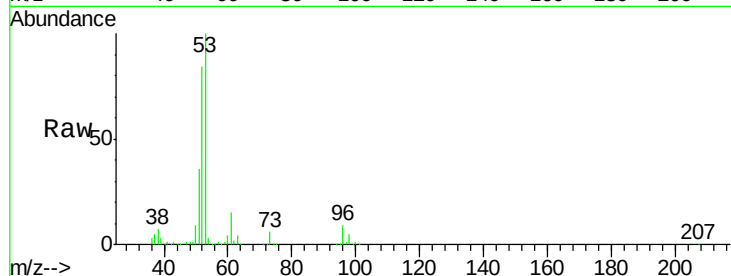
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	554232
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.1	99.1
51	37.0	29.8	44.6

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#16

Acetone

Concen: 728.60 ug/l

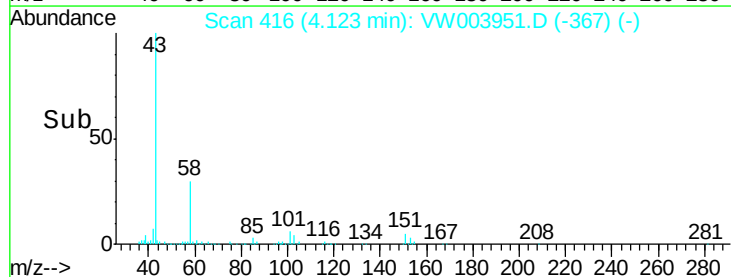
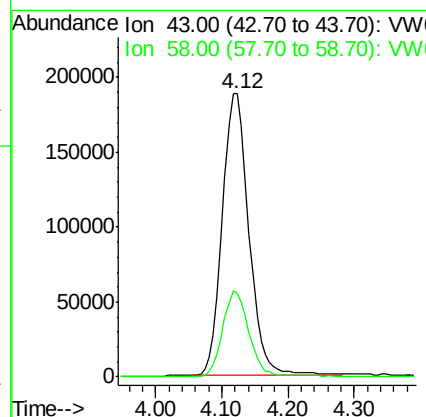
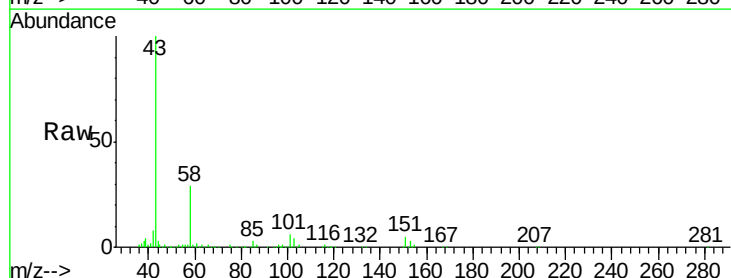
RT: 4.12 min Scan# 416

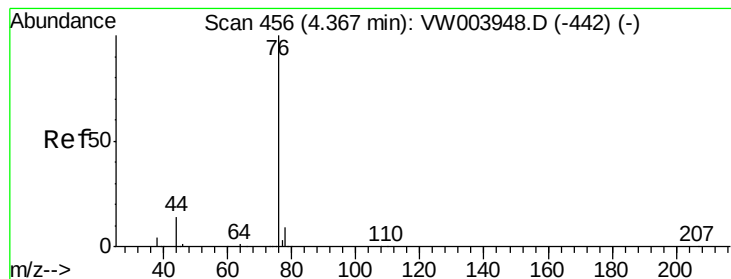
Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	43	Resp:	526108
Ion Ratio	Lower	Upper	
43	100		
58	29.5	24.5	36.7





#17

Carbon Disulfide

Concen: 151.81 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1232609

Ion Ratio Lower Upper

76 100

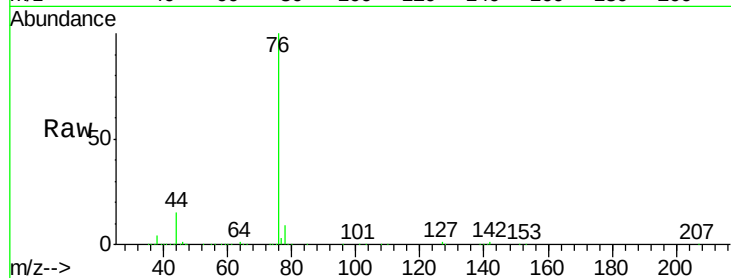
78 9.0 7.1 10.7

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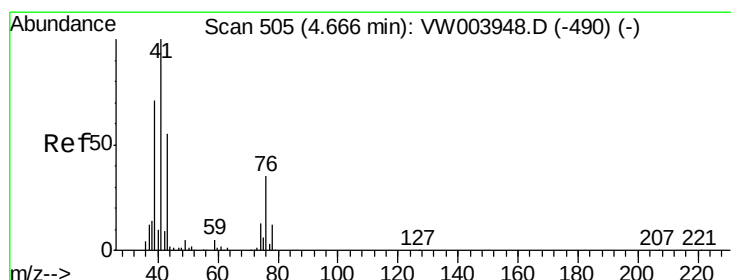
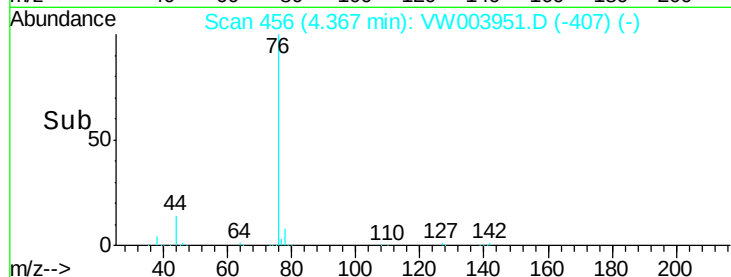
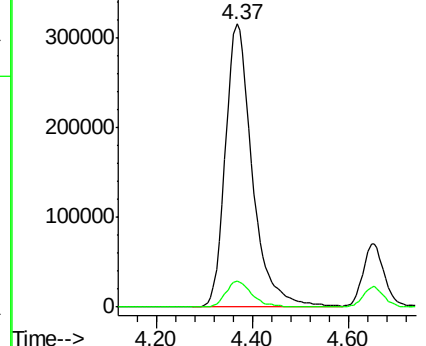
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 168.11 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW003951.D

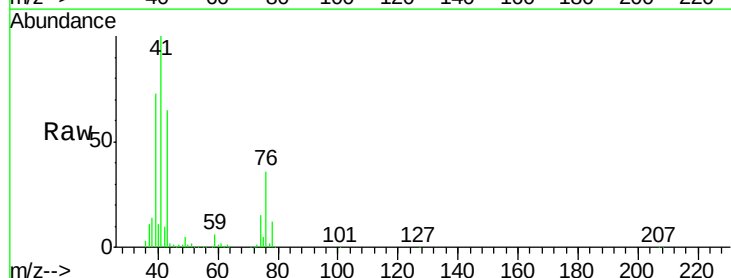
Acq: 16 Jul 2018 14:33

Tgt Ion: 43 Resp: 287885

Ion Ratio Lower Upper

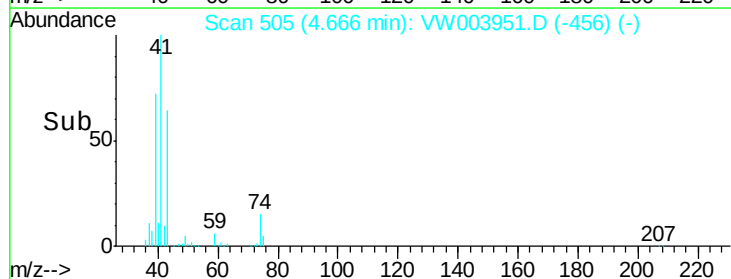
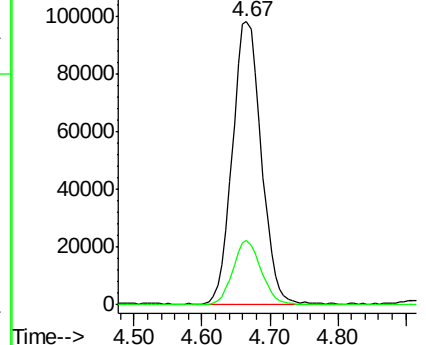
43 100

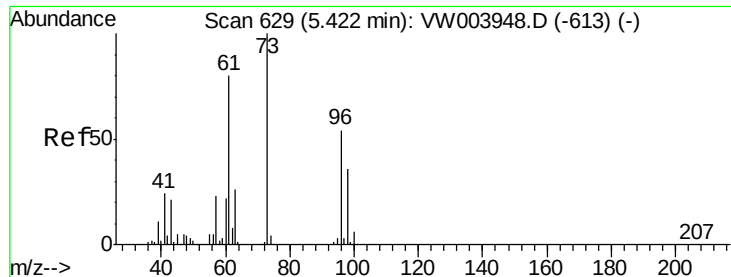
74 22.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





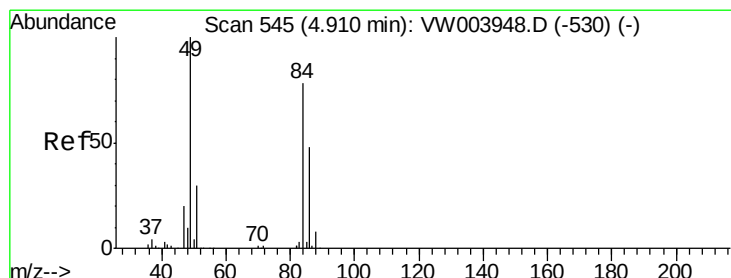
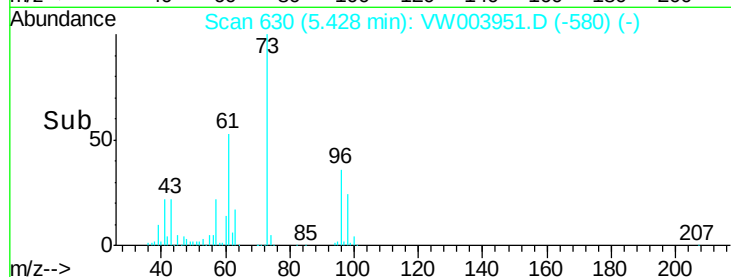
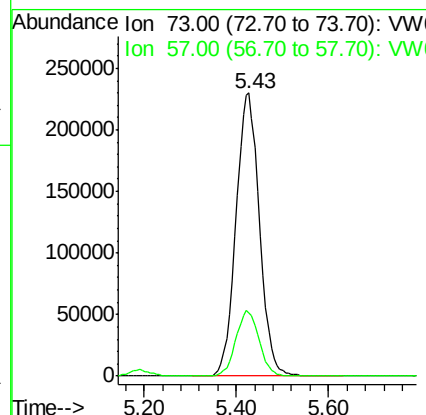
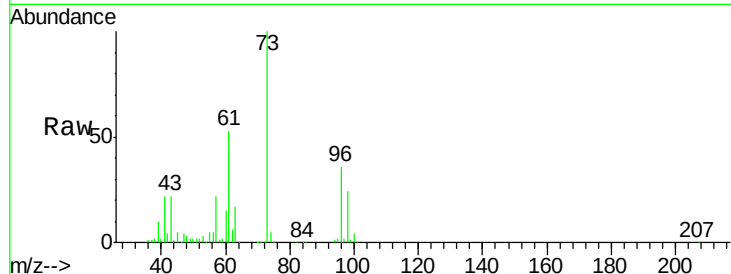
#19
Methyl tert-butyl Ether
Concen: 162.68 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 808157
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

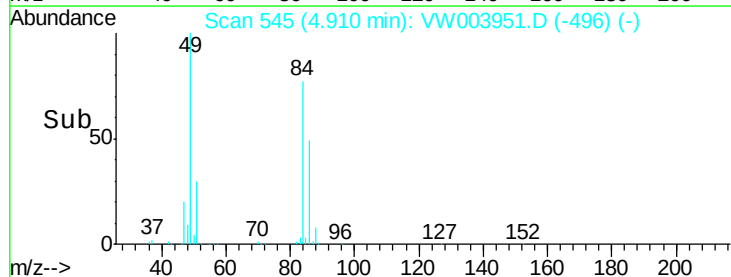
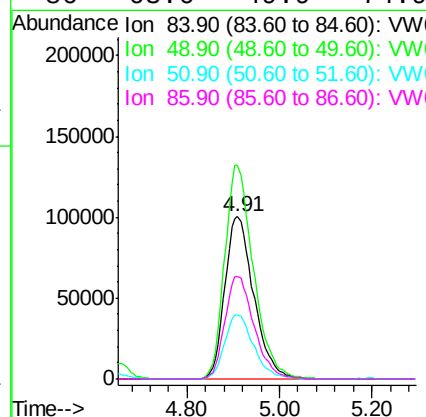
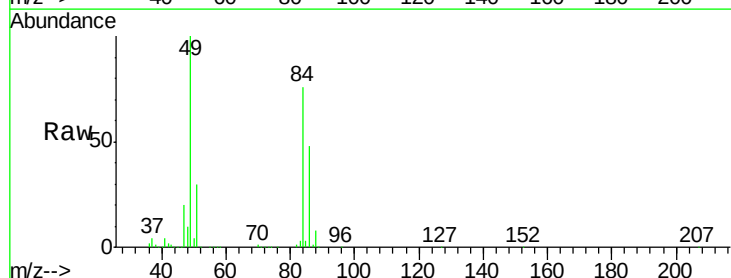
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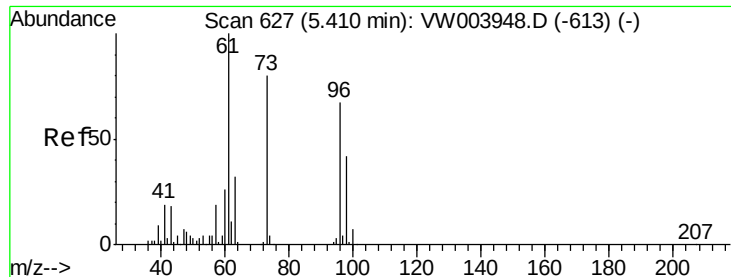
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#20
Methylene Chloride
Concen: 160.89 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion: 84 Resp: 437698
Ion Ratio Lower Upper
84 100
49 131.7 102.9 154.3
51 39.8 30.9 46.3
86 63.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 151.37 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

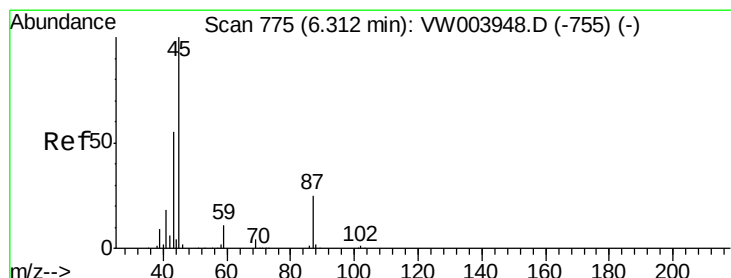
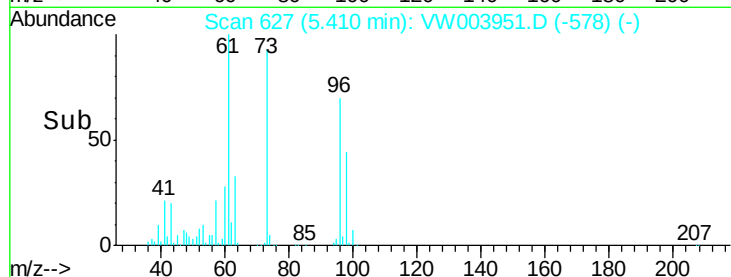
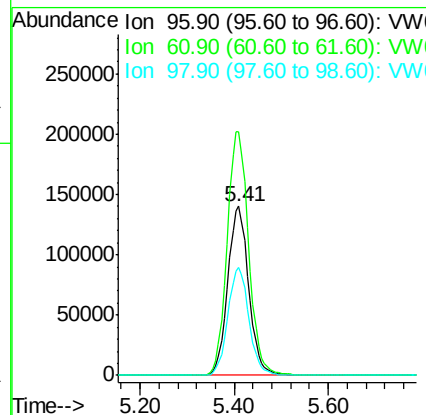
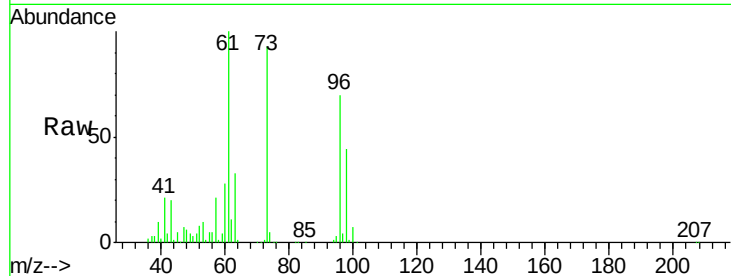
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	431795
Ion	Ratio	Lower	Upper
96	100		
61	143.8	119.0	178.4
98	63.5	49.9	74.9

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#22

Diisopropyl ether

Concen: 157.33 ug/l

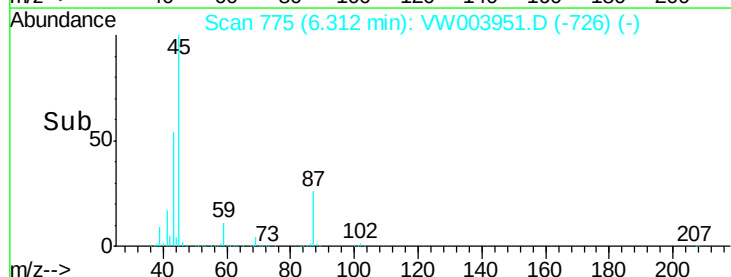
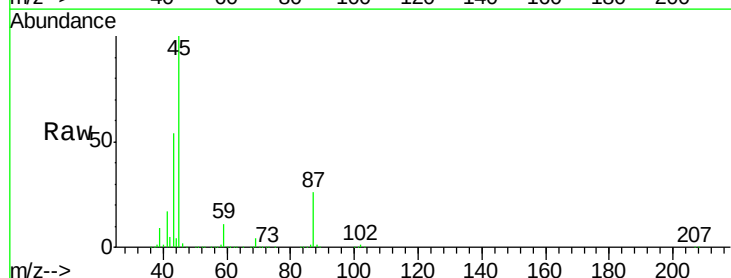
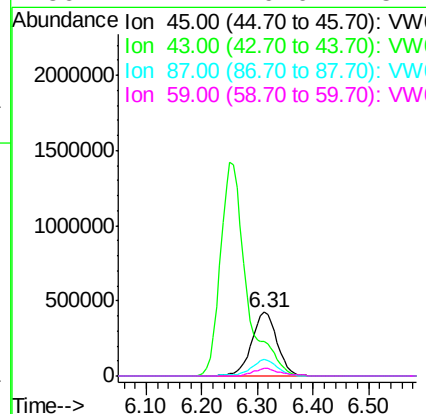
RT: 6.31 min Scan# 775

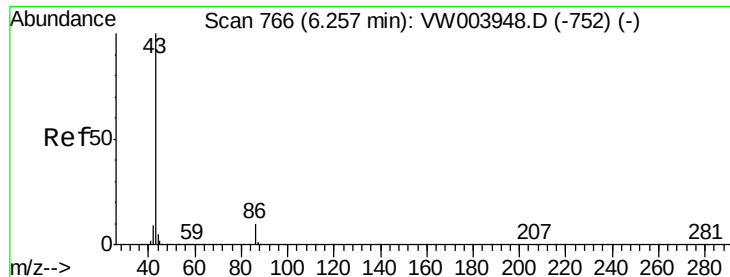
Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	45	Resp:	1365200
Ion	Ratio	Lower	Upper
45	100		
43	53.6	44.3	66.5
87	25.6	20.2	30.4
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 838.05 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tot Ion: 43 Resp: 4591572

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4

Instrument :

MSVOA_W

ClientSampleId :

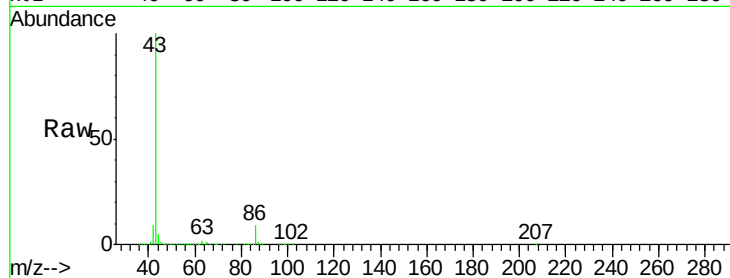
VSTDIC150

Manual Integrations

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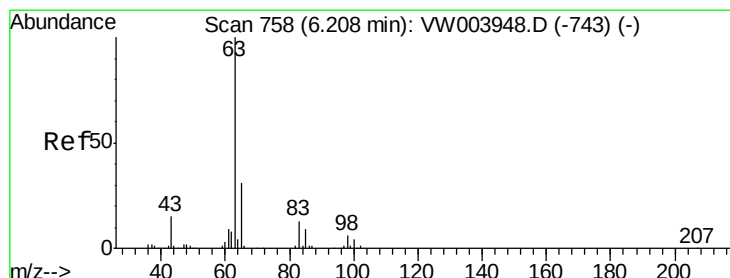
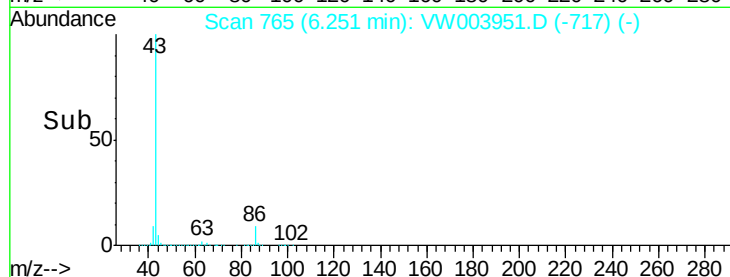
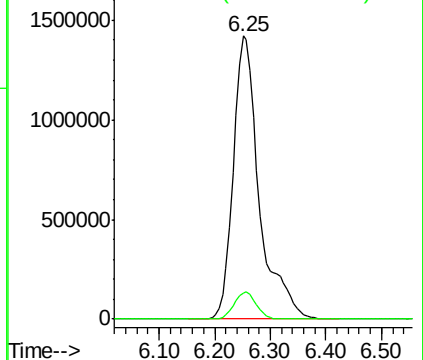
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 153.90 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

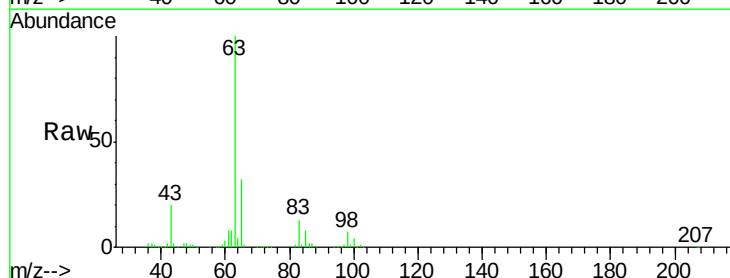
Tgt Ion: 63 Resp: 812628

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

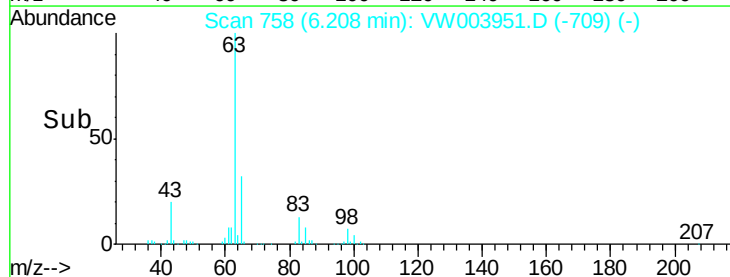
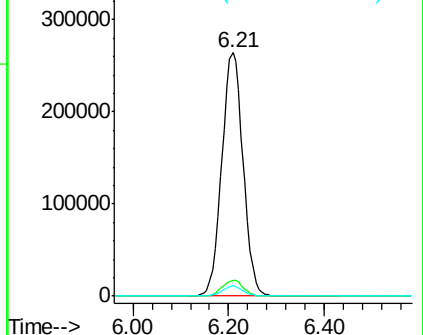
100 4.1 2.1 6.5

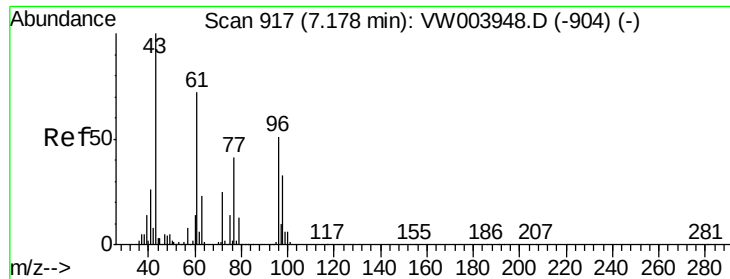


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 830.76 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 801368

Ion Ratio Lower Upper

43 100

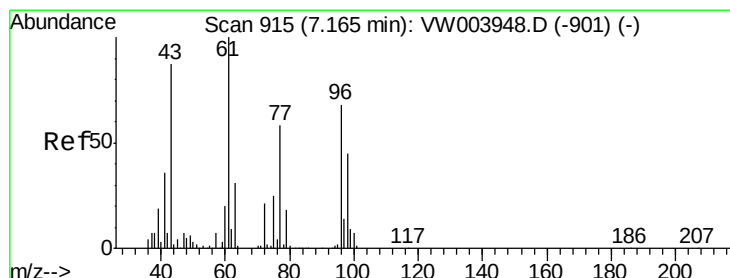
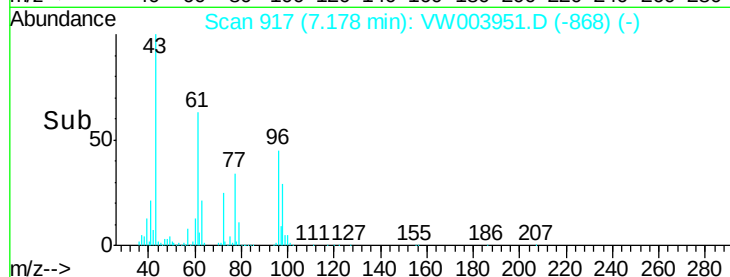
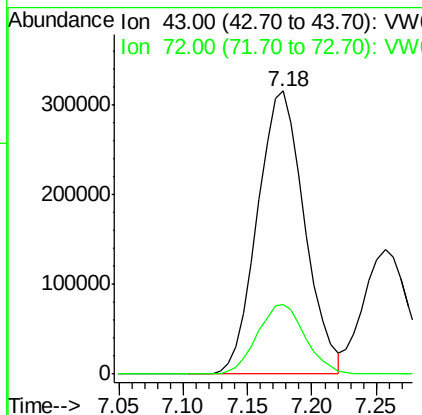
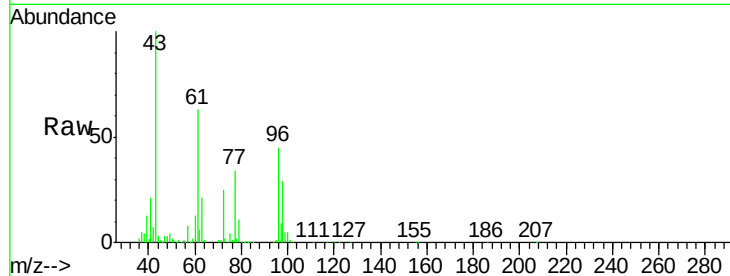
72 24.6 19.8 29.6

Manual Integrations

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7/17/2018 10:11:21 AM



#26

2,2-Dichloropropane

Concen: 134.57 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003951.D

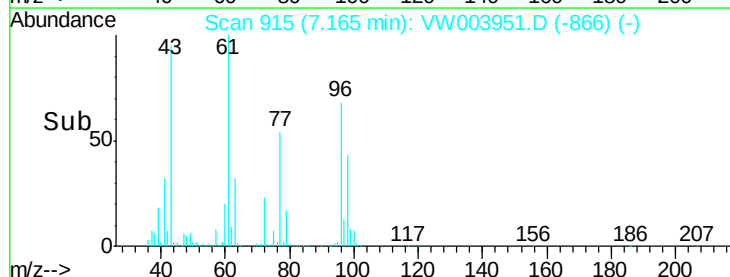
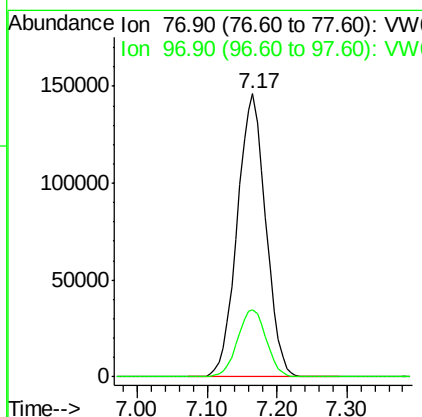
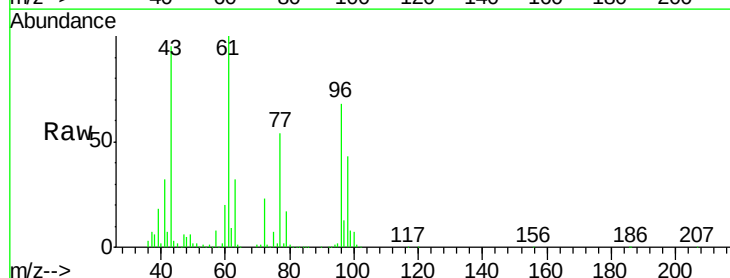
Acq: 16 Jul 2018 14:33

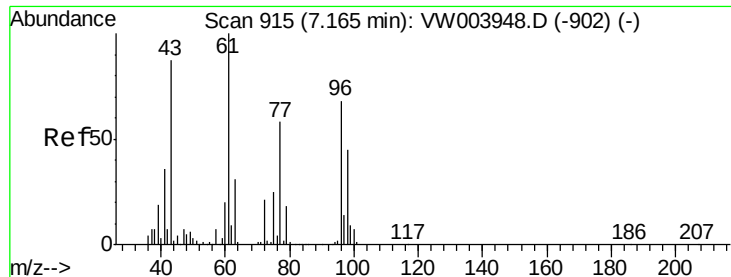
Tgt Ion: 77 Resp: 413083

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3





#27

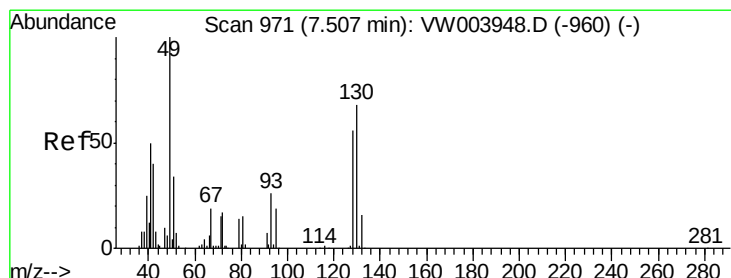
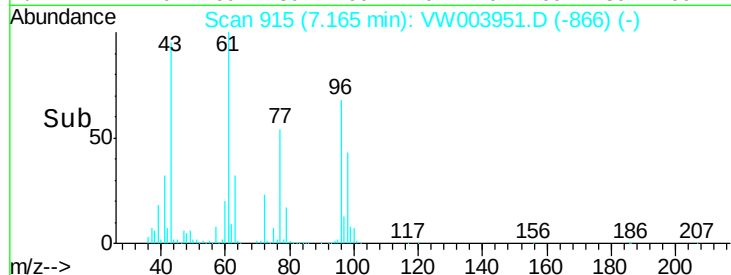
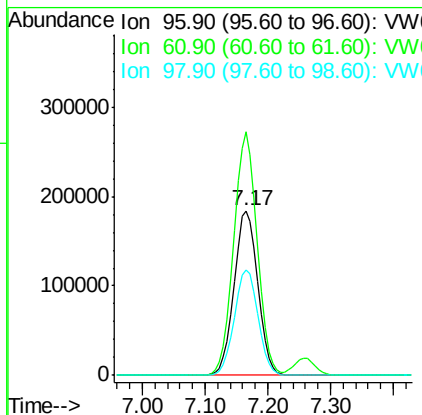
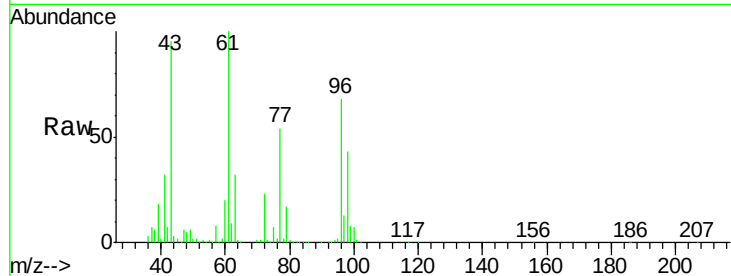
cis-1,2-Dichloroethene
Concen: 156.95 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	481693		
61	145.6		0.0	298.6
98	64.0		0.0	130.4

Manual Integrations
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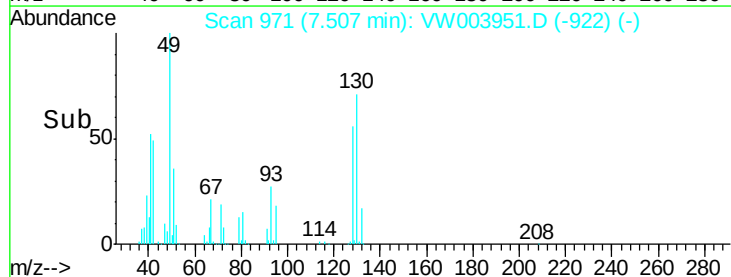
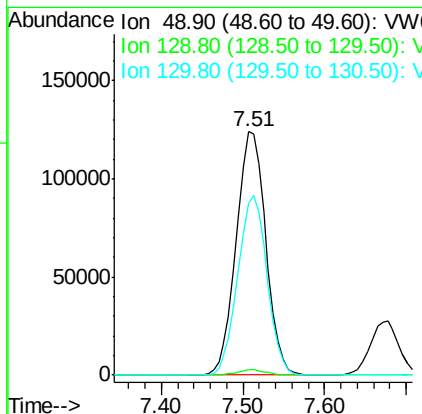
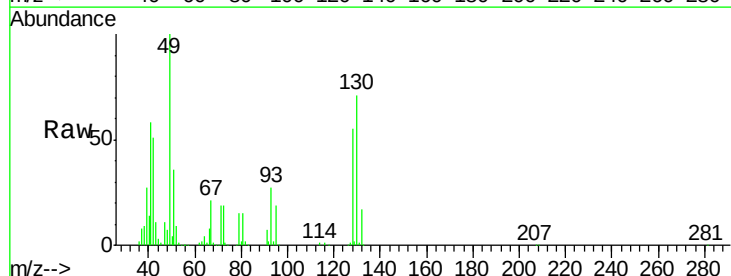
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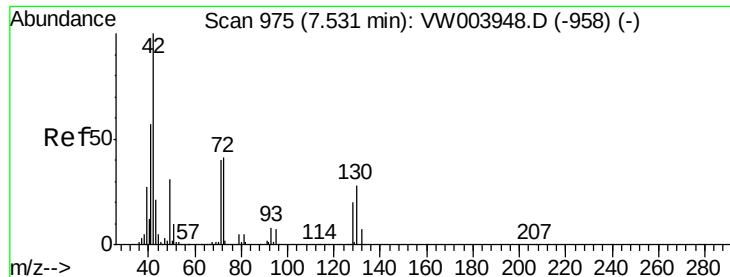


#28

Bromochloromethane
Concen: 143.74 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	311562		
129	2.0		0.0	2.2
130	73.1		58.3	87.5





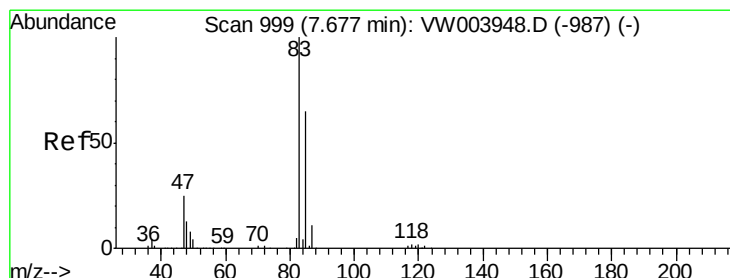
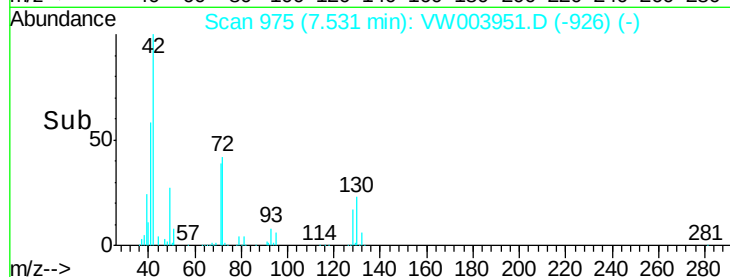
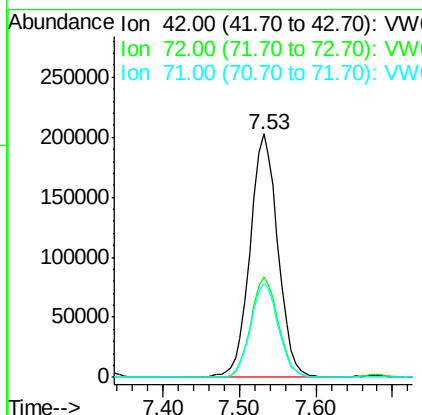
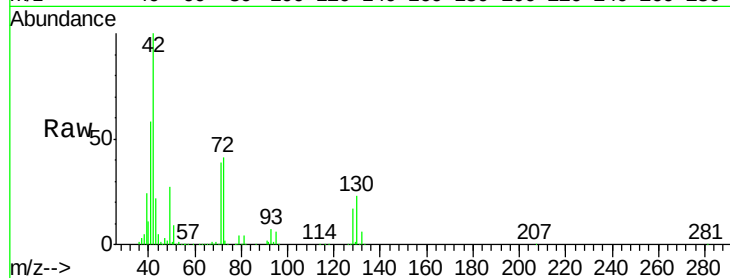
#29
Tetrahydrofuran
Concen: 855.68 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.6	48.8
71	38.5	30.5	45.7

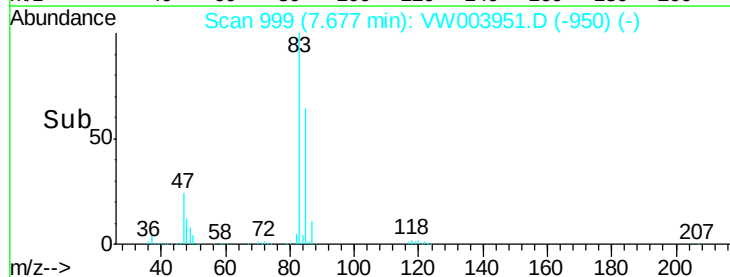
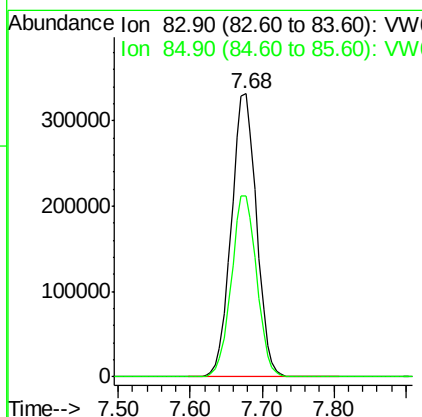
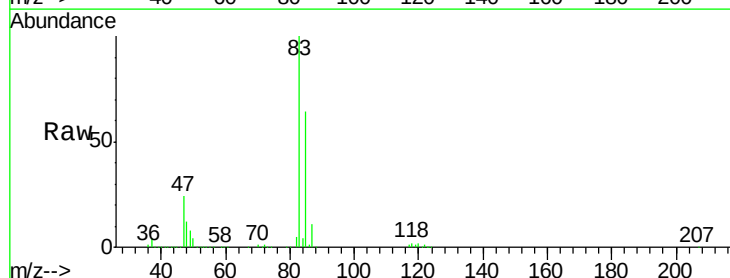
Manual Integrations
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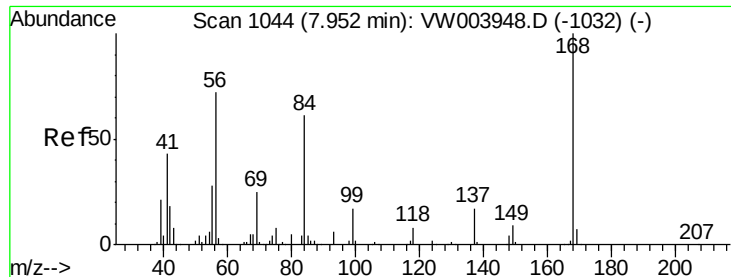
apatel
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#30
Chloroform
Concen: 153.36 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4





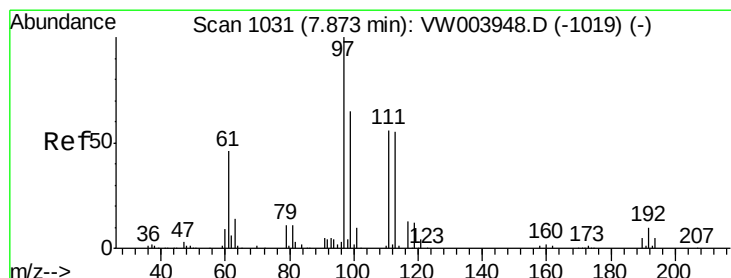
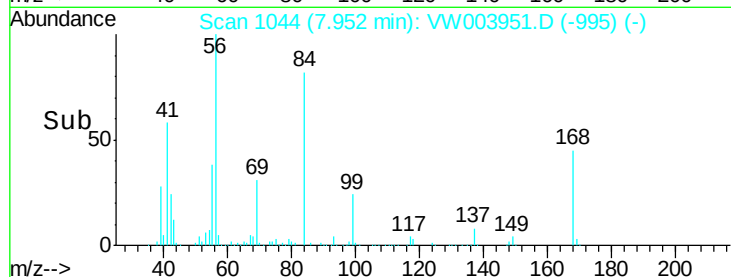
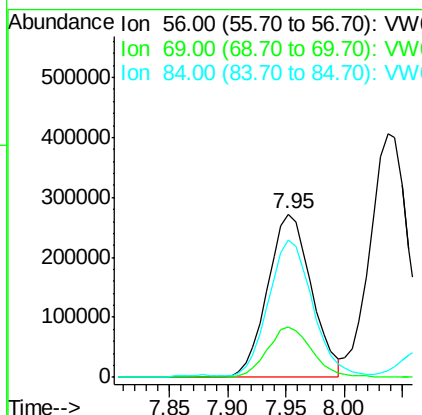
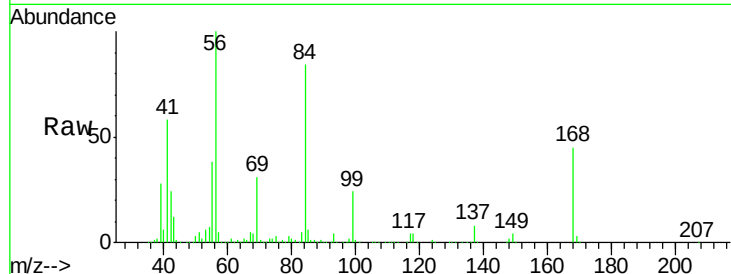
#31
Cyclohexane
Concen: 142.16 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	27.8	41.8
84	82.3	67.2	100.8

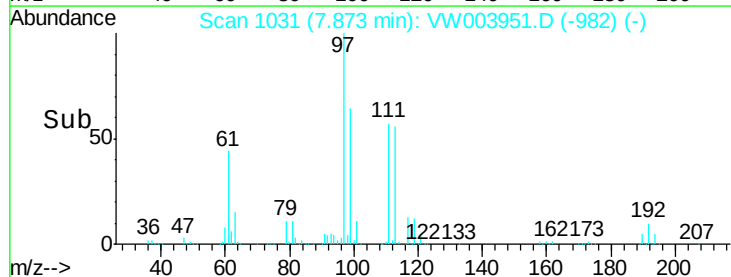
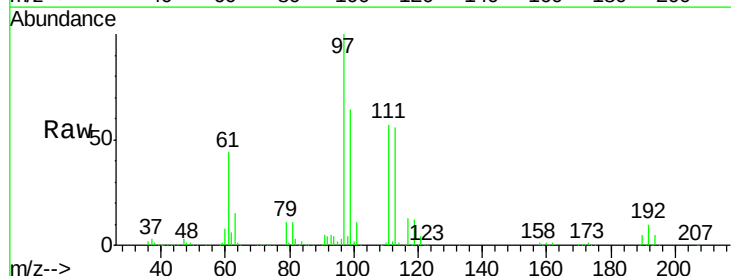
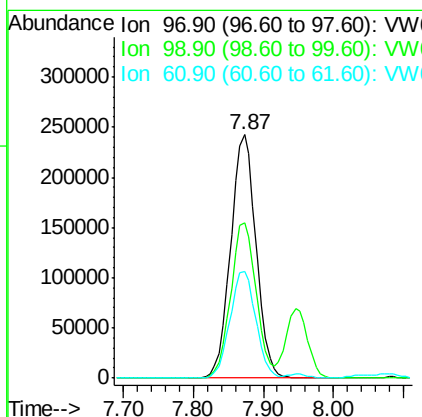
Manual Integrations
APPROVED

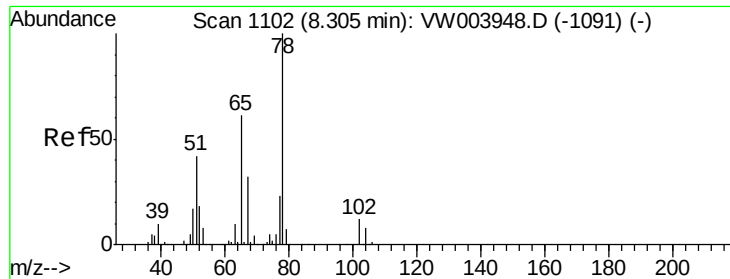
apatel
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#32
1,1,1-Trichloroethane
Concen: 147.99 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	44.9	36.8	55.2





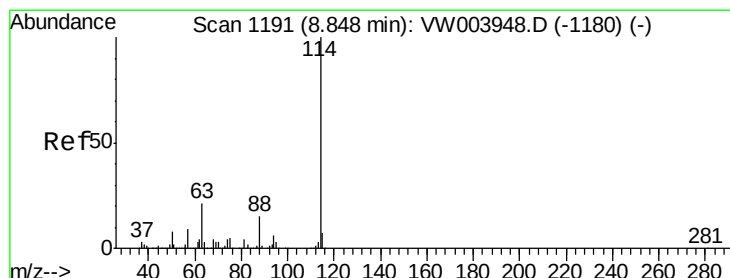
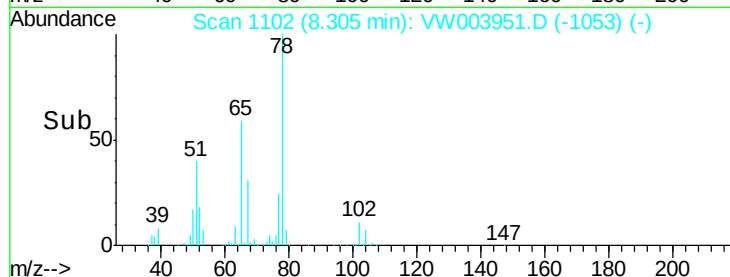
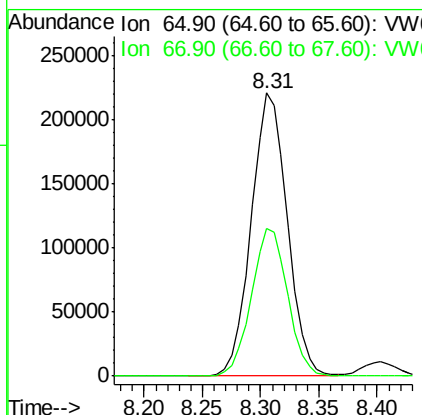
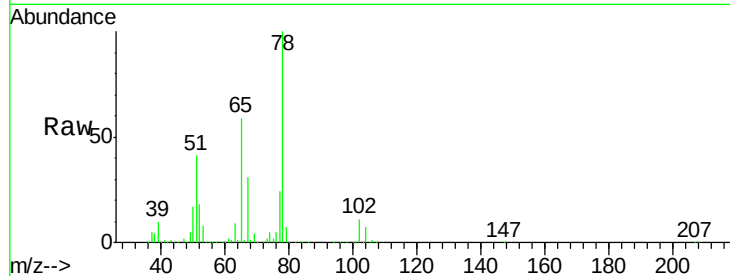
#33
 1,2-Dichloroethane-d4
 Concen: 160.41 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	477555		
67	52.4	0.0	105.0	

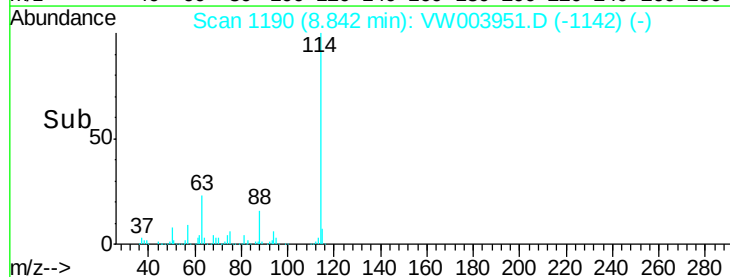
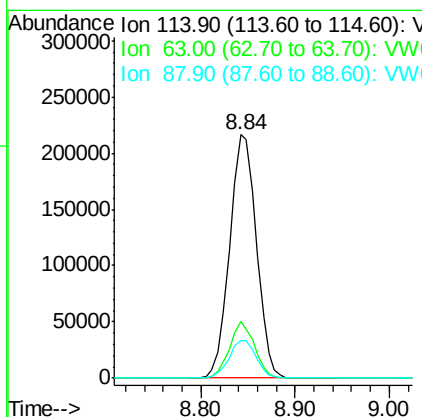
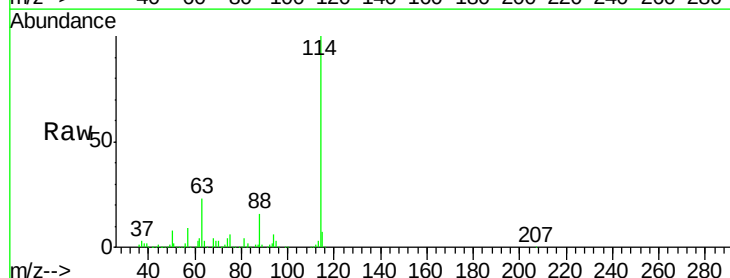
Manual Integrations
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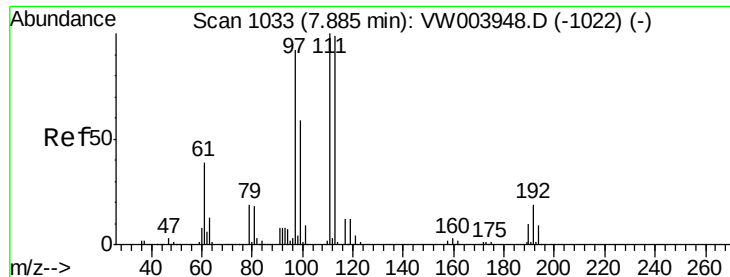
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	427124		
63	23.1	0.0	42.8	
88	15.7	0.0	30.4	





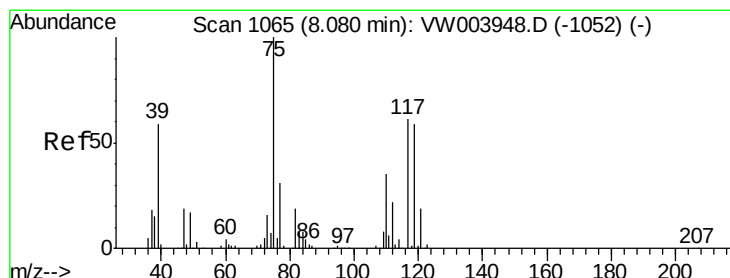
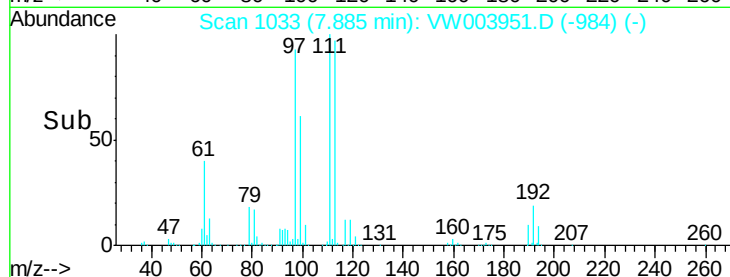
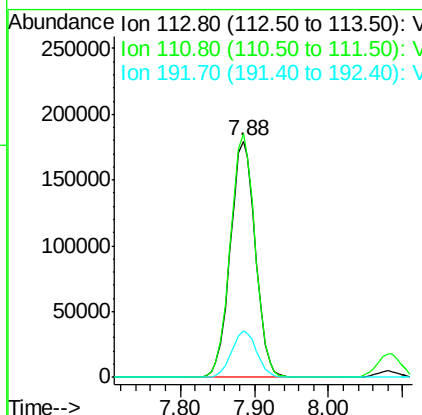
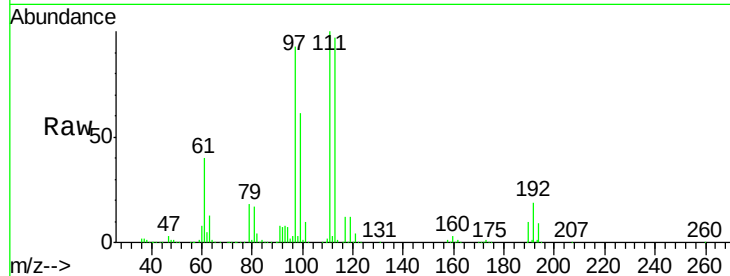
#35
 Dibromofluoromethane
 Concen: 155.45 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	421899		
111	101.9	81.3	121.9	
192	19.8	15.8	23.6	

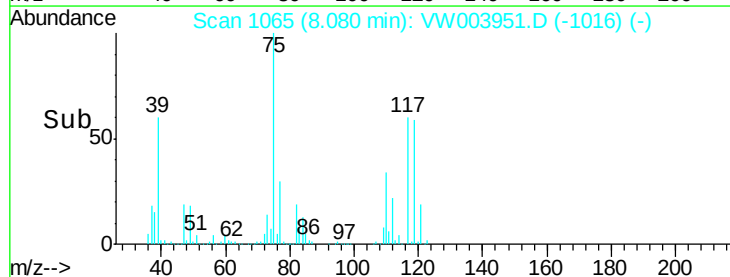
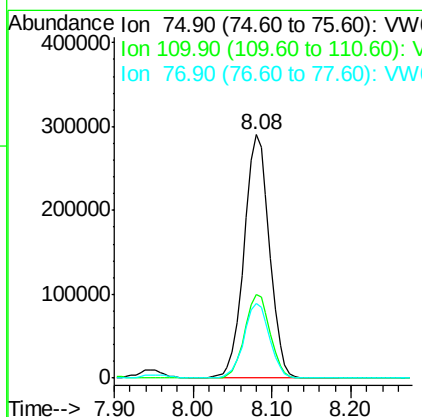
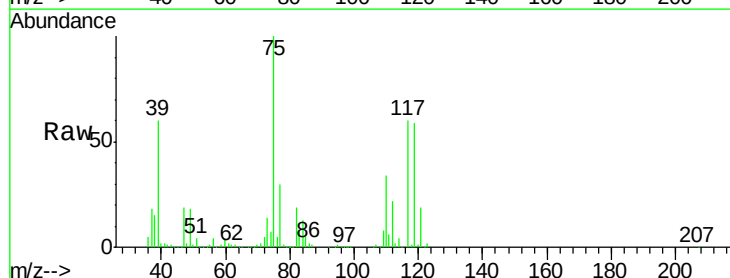
Manual Integrations
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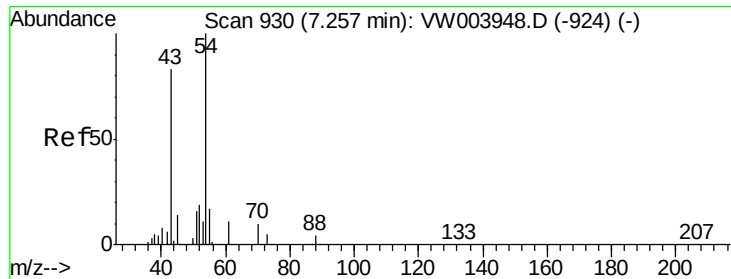
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#36
 1,1-Dichloropropene
 Concen: 147.77 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	647148		
110	34.4	17.0	51.0	
77	31.2	24.9	37.3	





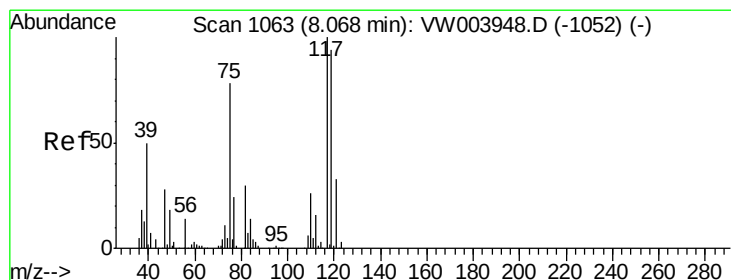
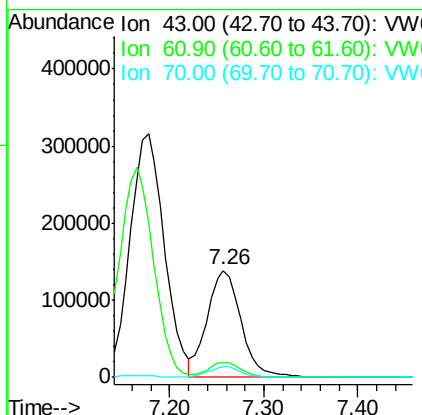
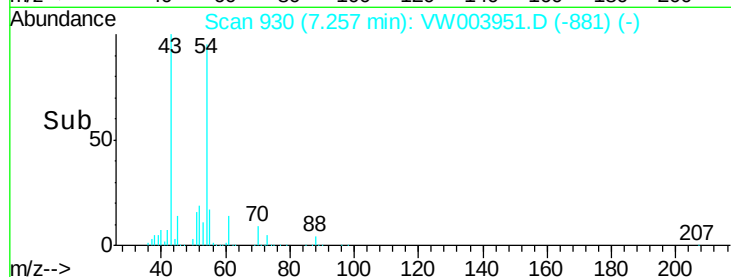
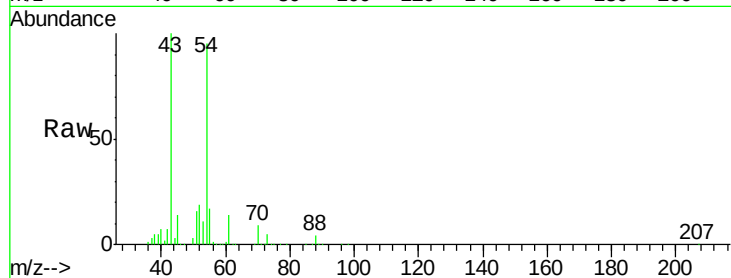
#37
Ethyl Acetate
Concen: 163.77 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	9.7	7.7	11.5

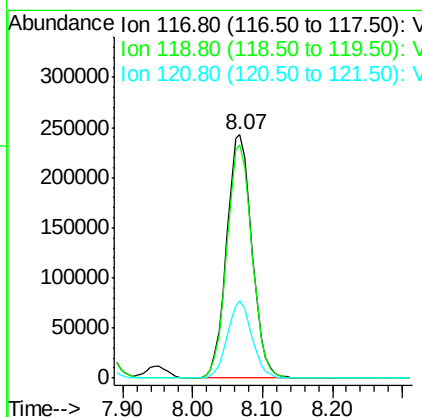
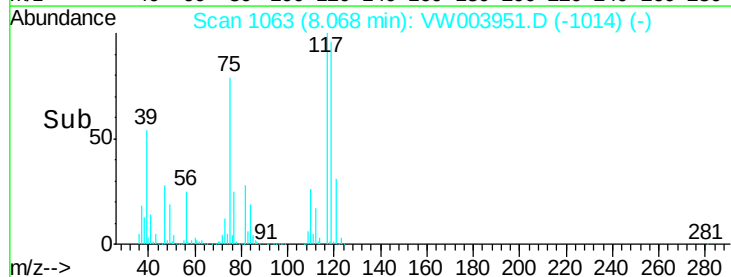
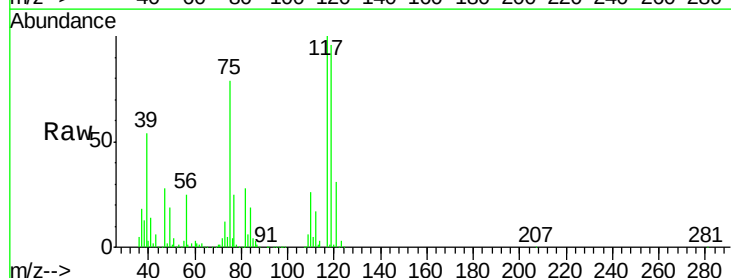
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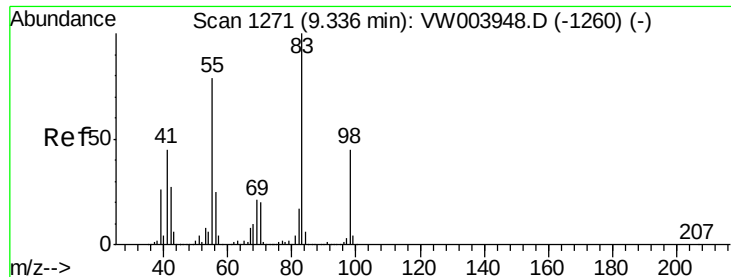
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#38
Carbon Tetrachloride
Concen: 148.57 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.3	112.9
121	31.5	26.0	39.0





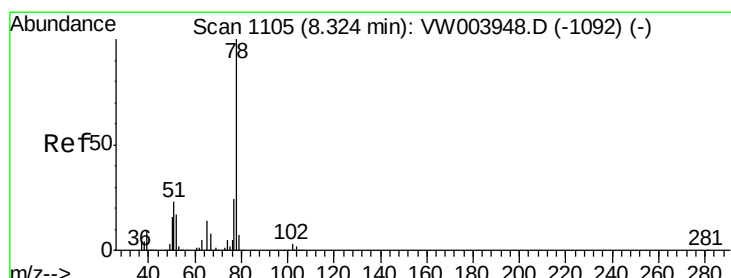
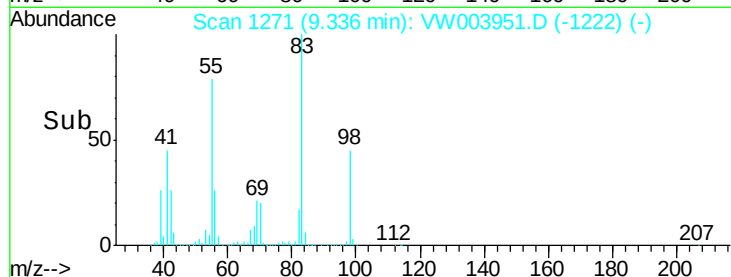
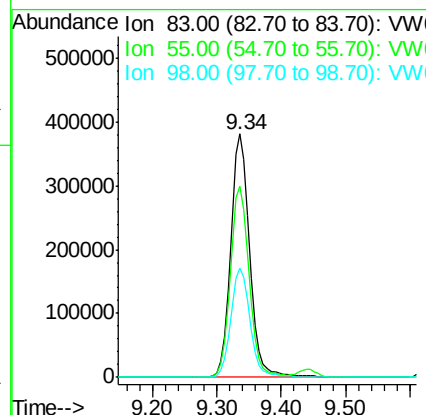
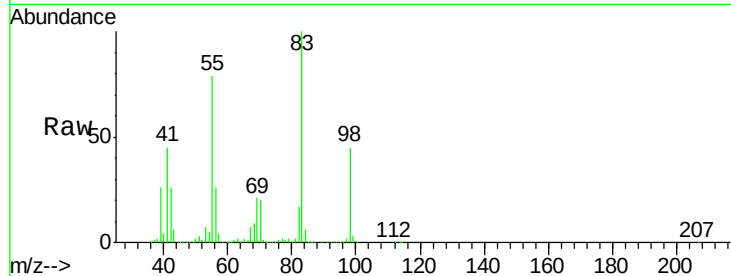
#39
Methylvlcyclohexane
Concen: 154.99 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	794451		
55	78.6		62.8	94.2
98	45.1		36.2	54.4

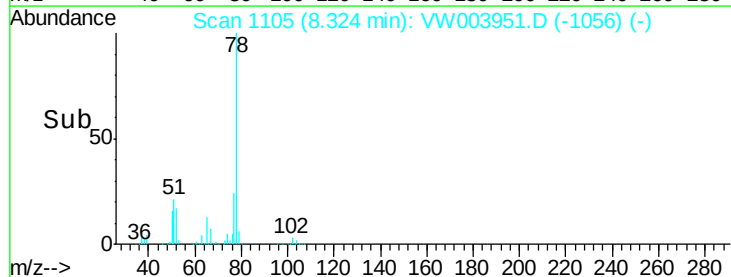
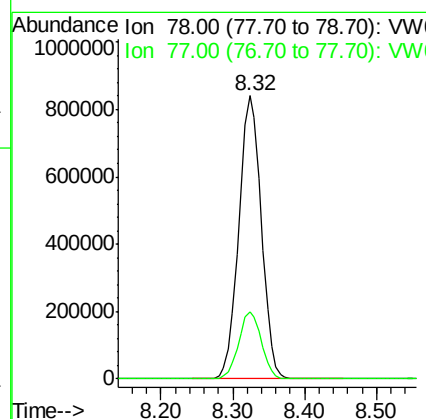
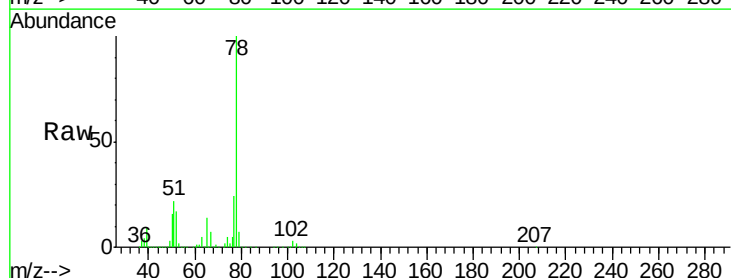
Manual Integrations
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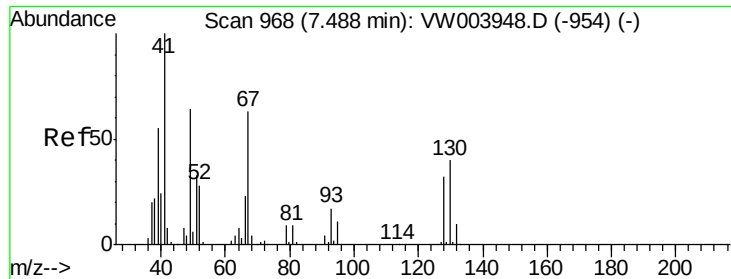
apatel
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#40
Benzene
Concen: 150.20 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1820637		
77	23.8		19.5	29.3





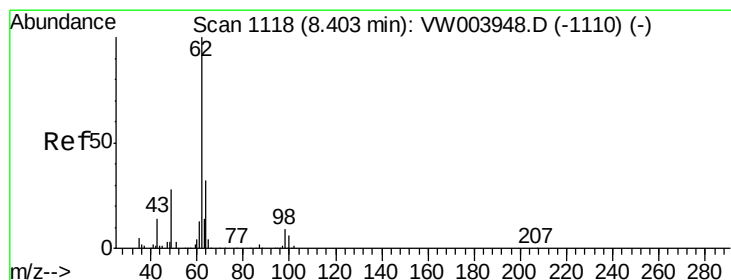
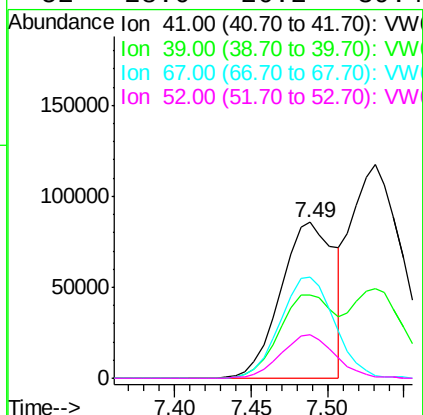
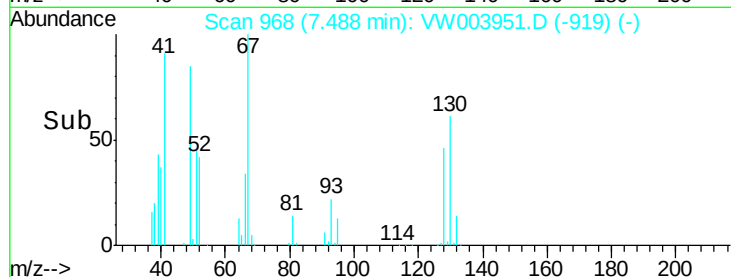
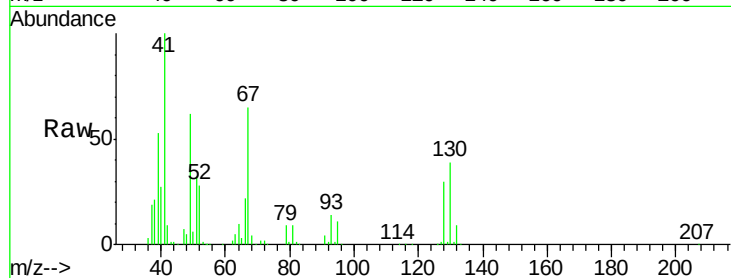
#41
Methacrylonitrile
Concen: 184.88 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	210929
Ion Ratio	Lower	Upper	
41	100		
39	53.8	50.0	75.0
67	65.2	60.8	91.2
52	28.0	26.2	39.4

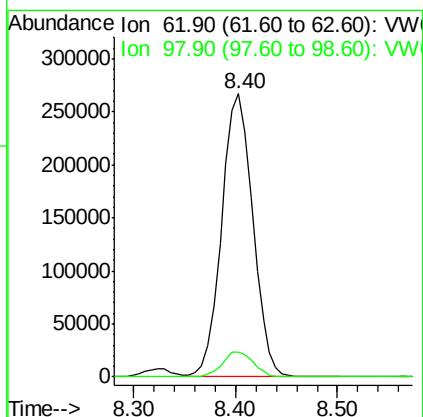
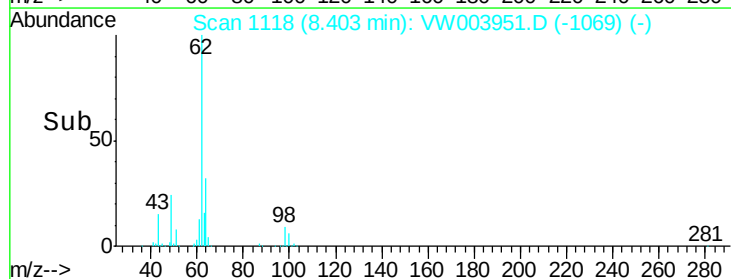
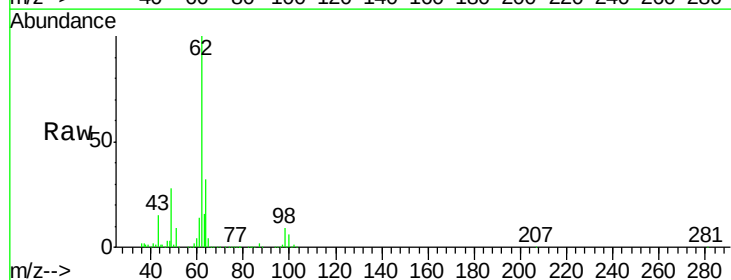
Manual Integrations
APPROVED

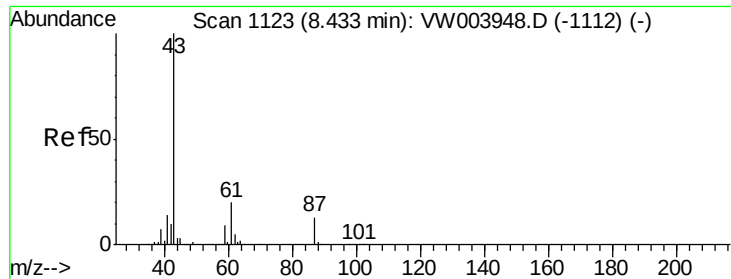
apatel
7/17/2018 10:11:21 AM



#42
1,2-Dichloroethane
Concen: 153.11 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	62	Resp	565836
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	17.4





#43

Isopropyl Acetate

Concen: 170.40 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

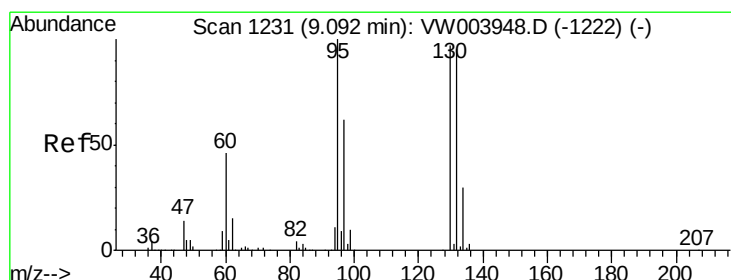
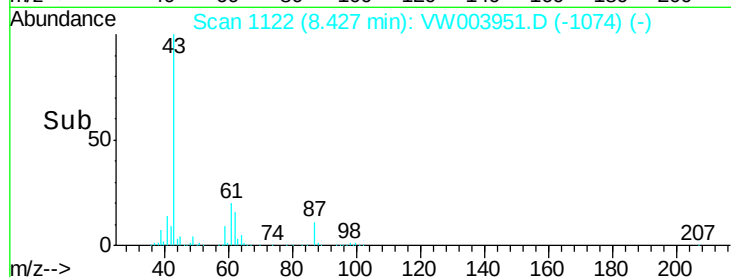
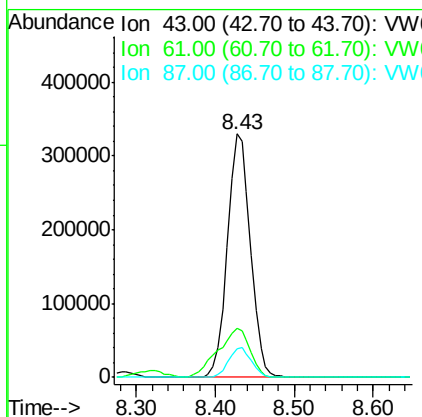
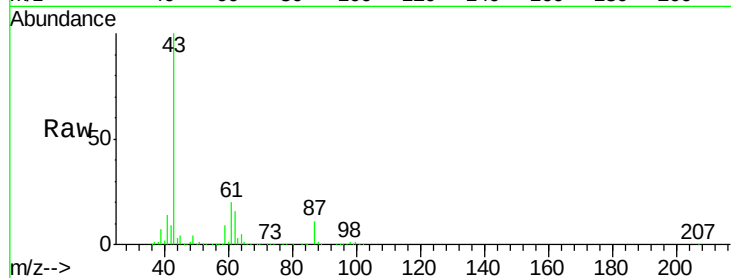
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	666164
Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.0	34.6
87	12.1	9.9	14.9

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#44

Trichloroethene

Concen: 150.10 ug/l

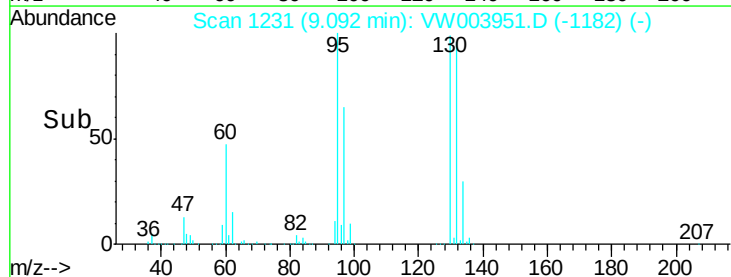
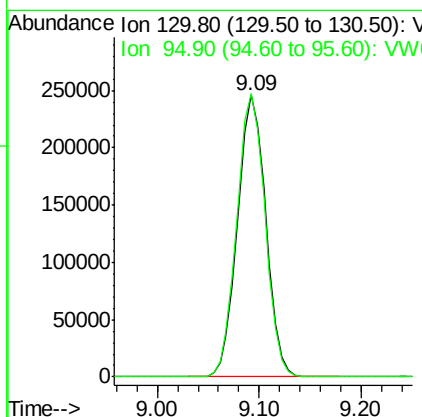
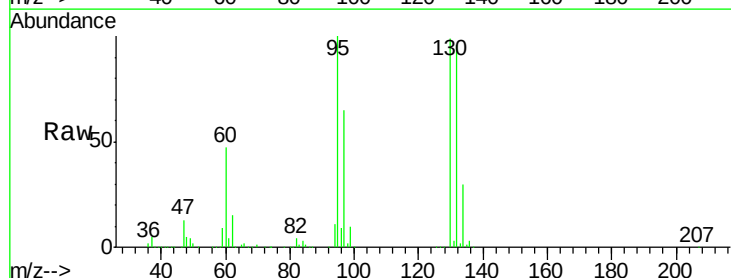
RT: 9.09 min Scan# 1231

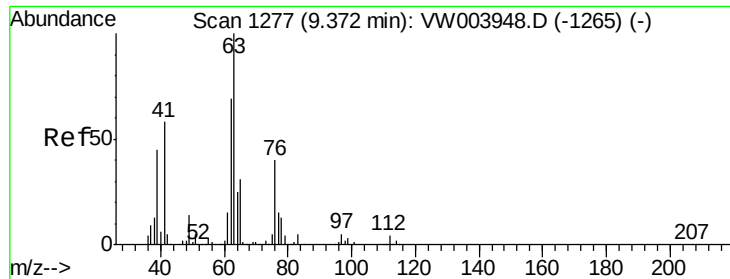
Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	130	Resp:	471917
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	206.8





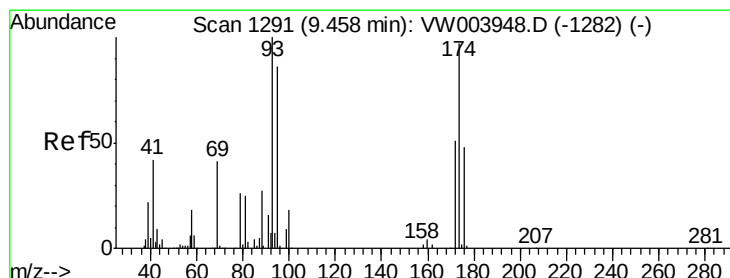
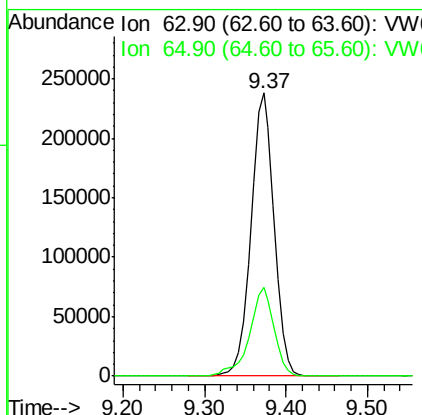
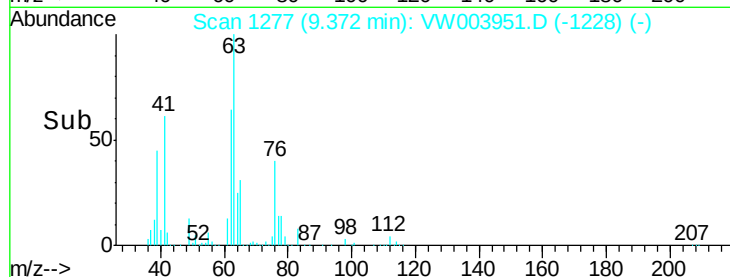
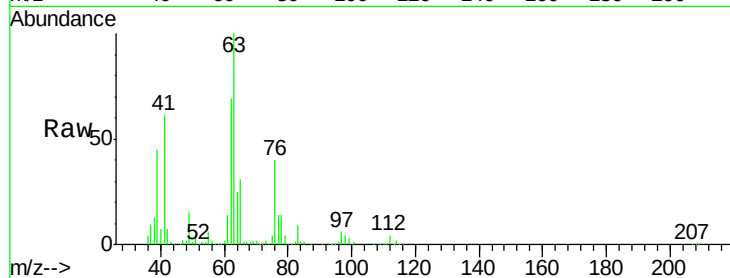
#45
 1,2-Dichloropropane
 Concen: 152.94 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.8	37.2

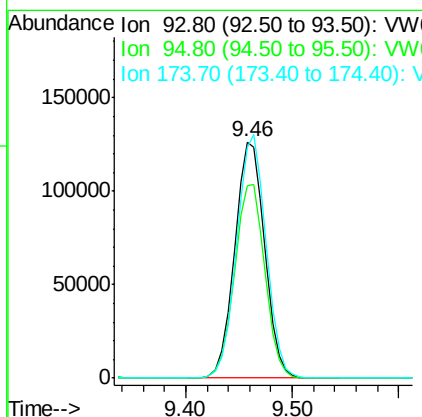
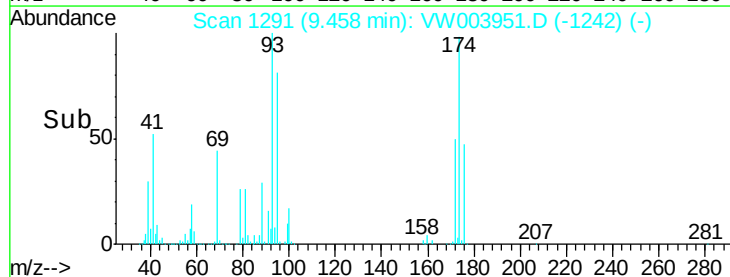
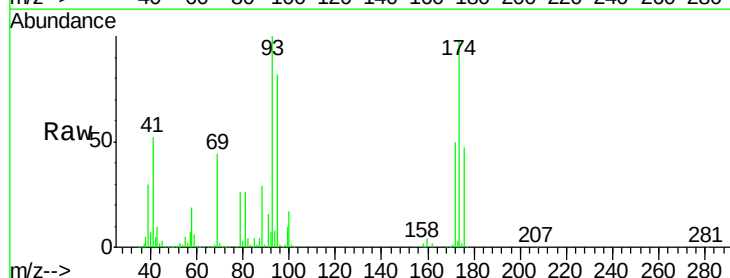
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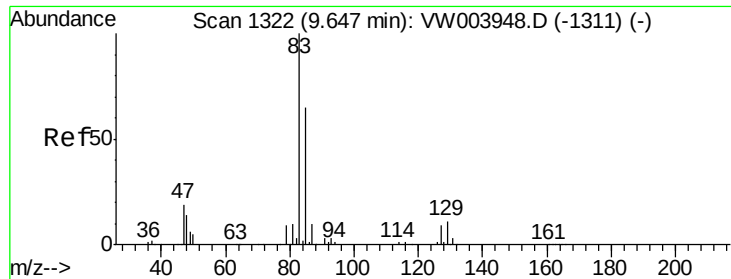
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#46
 Dibromomethane
 Concen: 155.74 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.9	100.3
174	101.1	80.2	120.2





#47

Bromodichloromethane

Concen: 158.17 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

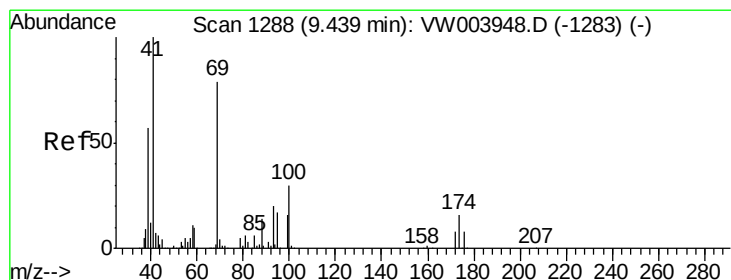
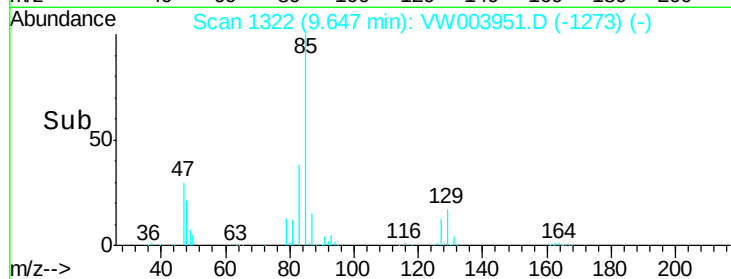
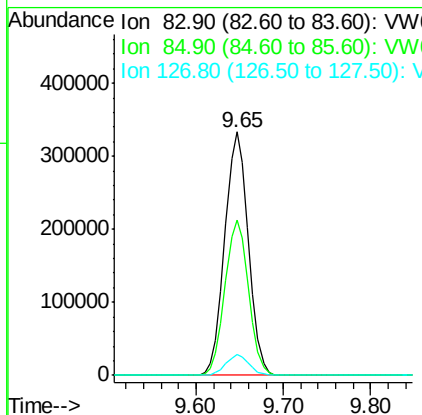
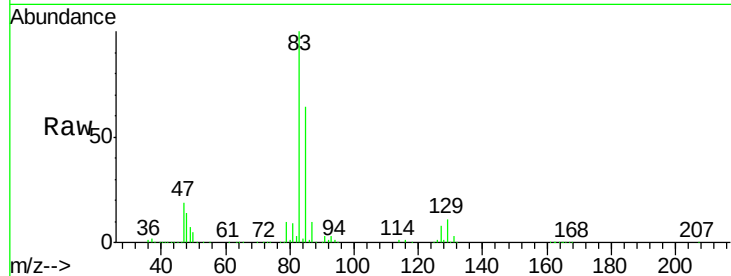
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	621945
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.2
127	8.3	7.0	10.4

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#48

Methyl methacrylate

Concen: 176.13 ug/l

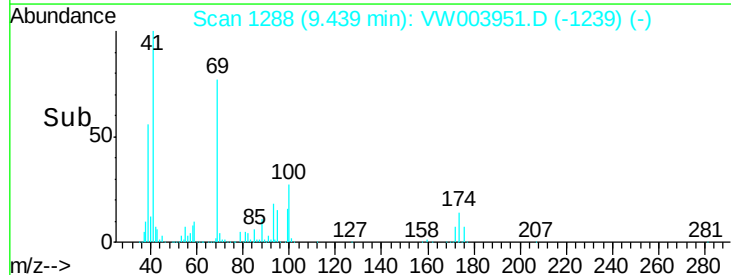
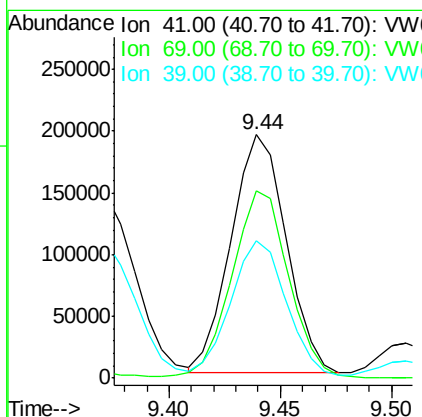
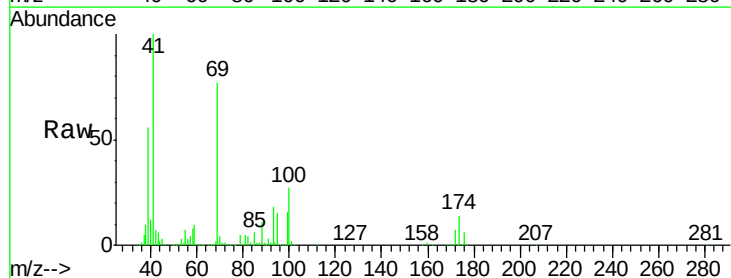
RT: 9.44 min Scan# 1288

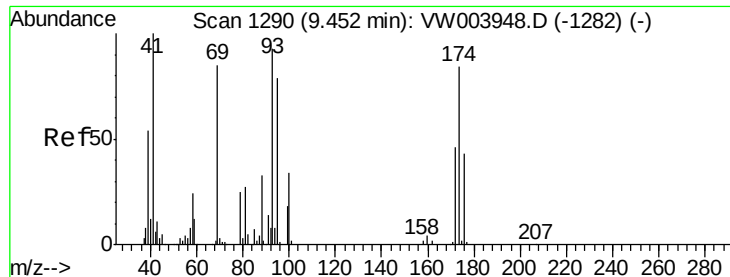
Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	41	Resp:	333066
Ion	Ratio	Lower	Upper
41	100		
69	81.5	67.0	100.6
39	58.9	48.8	73.2





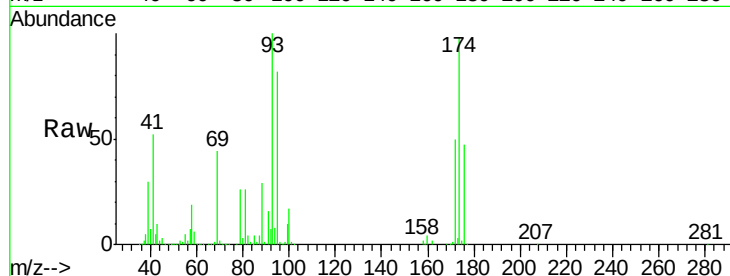
#49
1,4-Dioxane
Concen: 3323.01 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	82082
Ion	Ratio	Lower	Upper
88	100		
43	34.2	27.3	40.9
58	74.9	61.1	91.7

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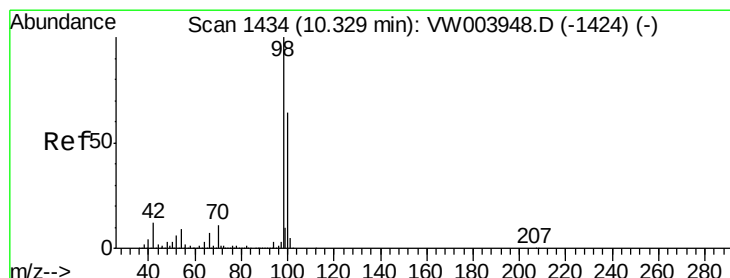
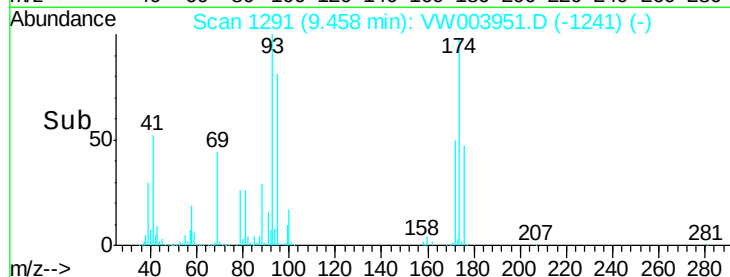
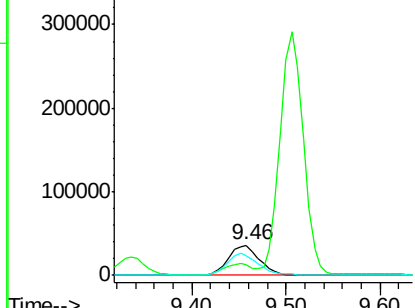


Abundance

Ion 88.00 (87.70 to 88.70): VW

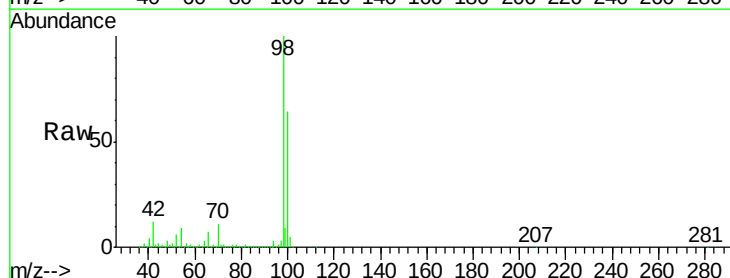
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 155.25 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

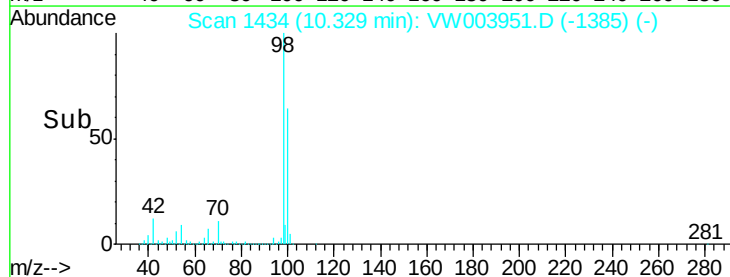
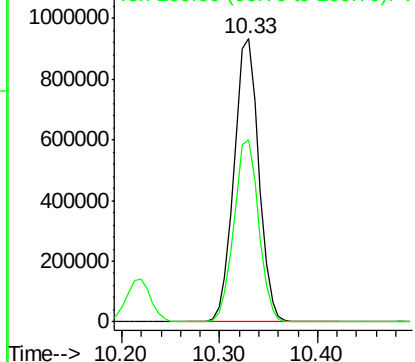
Tgt Ion	98	Resp	1638546
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8

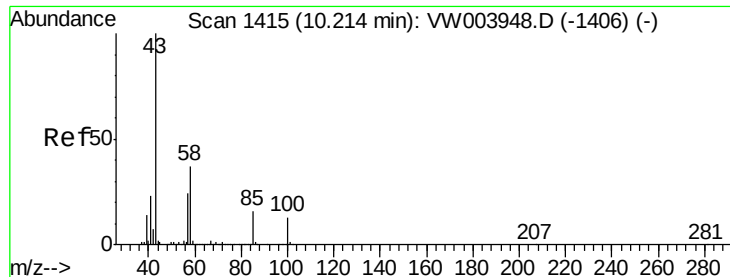


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 837.80 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1755801

Ion Ratio Lower Upper

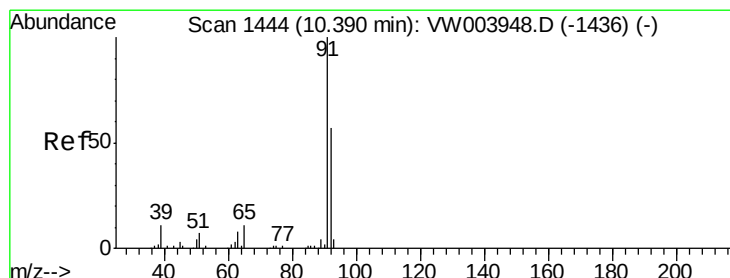
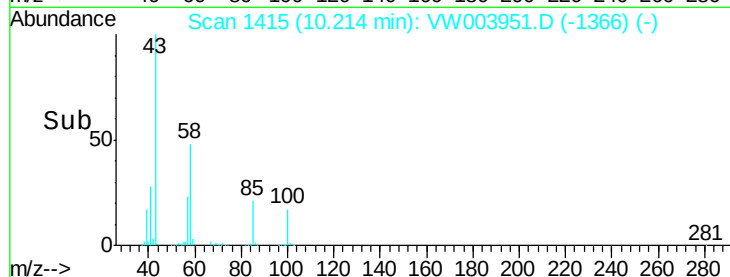
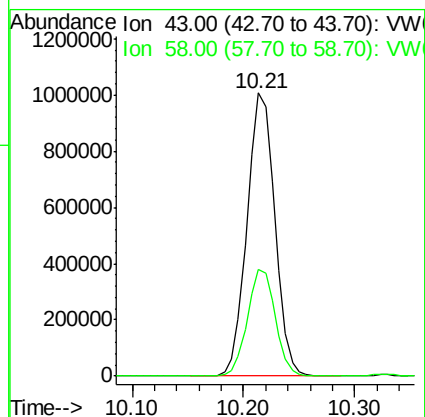
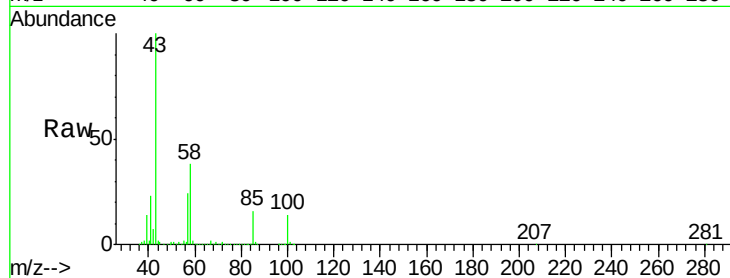
43 100

58 37.7 29.9 44.9

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#52

Toluene

Concen: 151.40 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003951.D

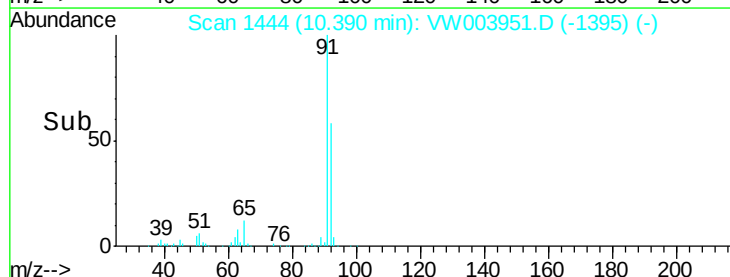
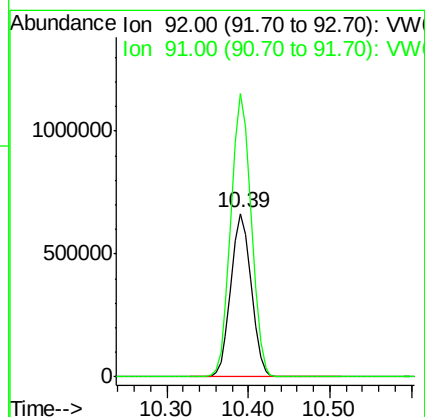
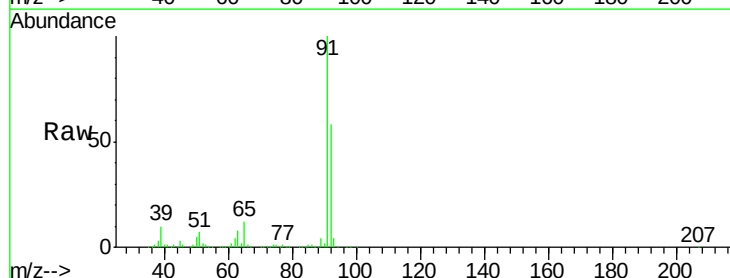
Acq: 16 Jul 2018 14:33

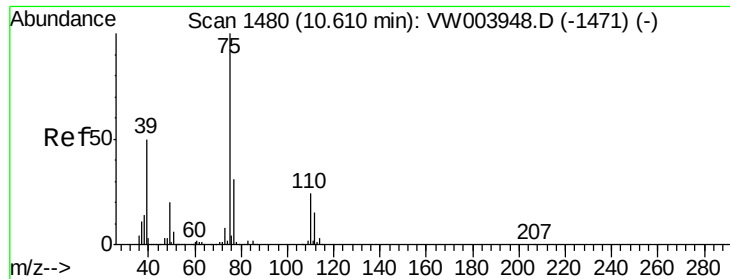
Tgt Ion: 92 Resp: 1134804

Ion Ratio Lower Upper

92 100

91 173.4 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 162.42 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 668209

Ion Ratio Lower Upper

75 100

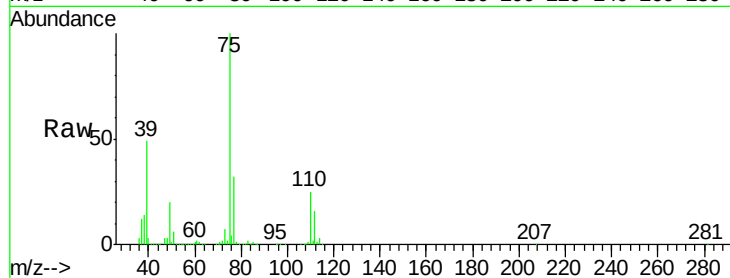
77 32.1 25.2 37.8

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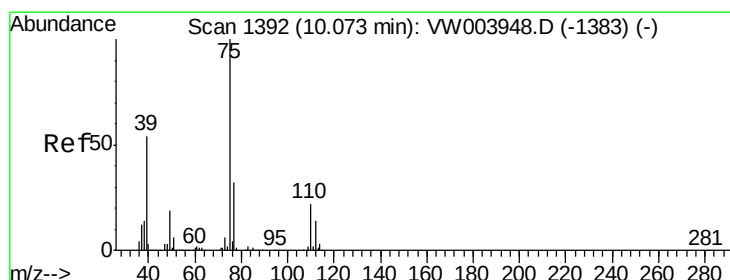
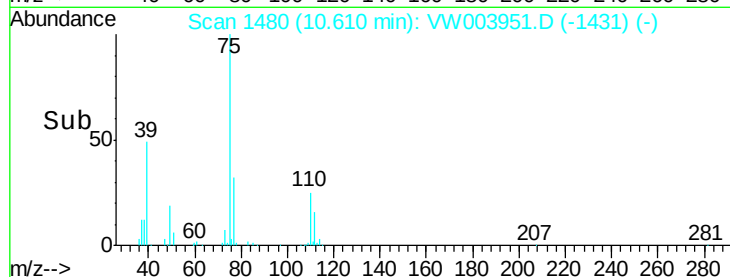
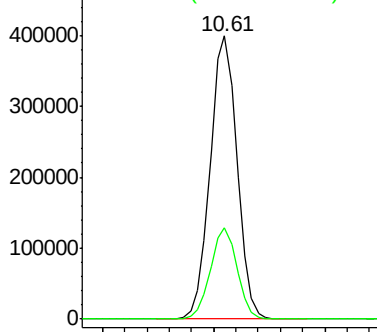
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 160.15 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

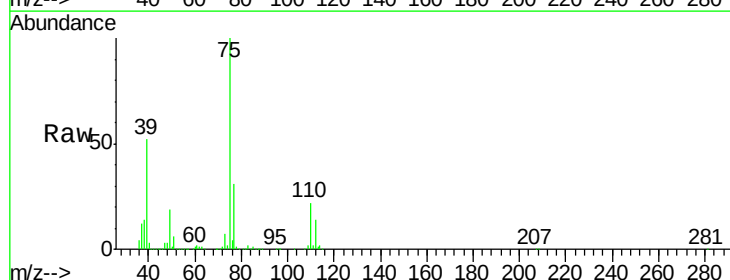
Tgt Ion: 75 Resp: 753612

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

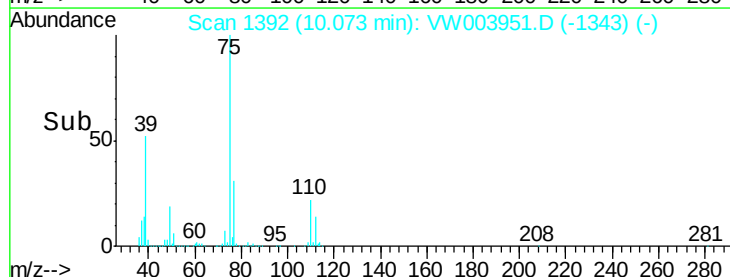
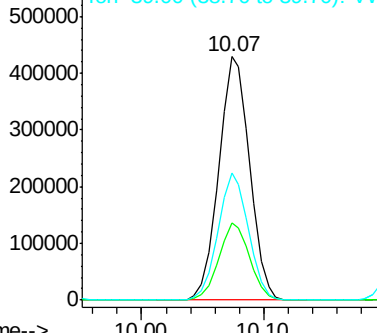
39 52.4 43.0 64.6

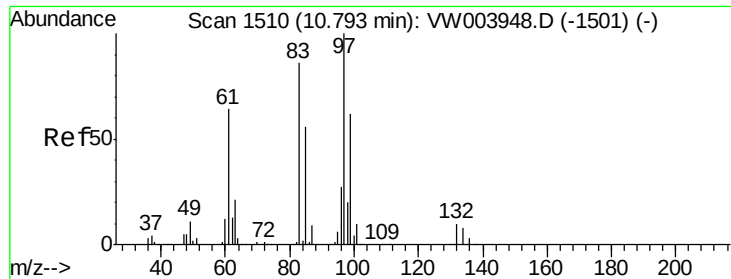


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 153.46 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

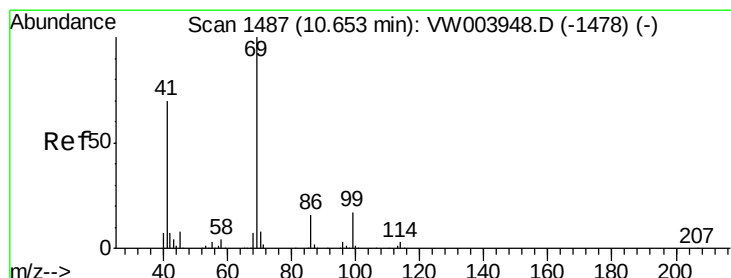
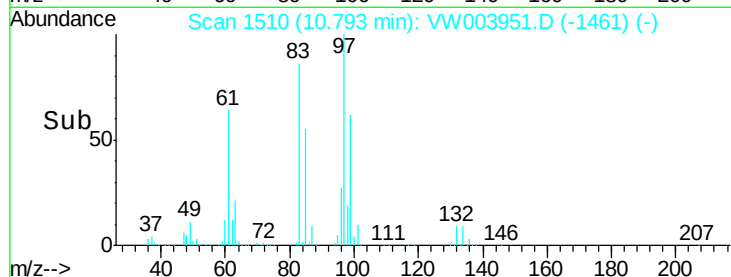
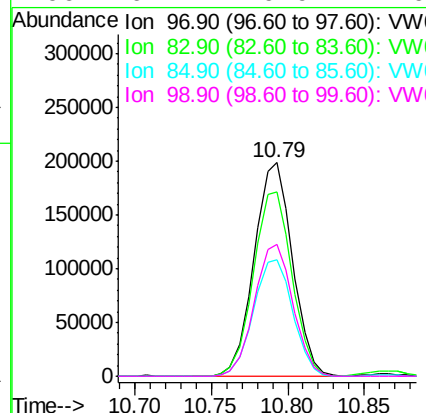
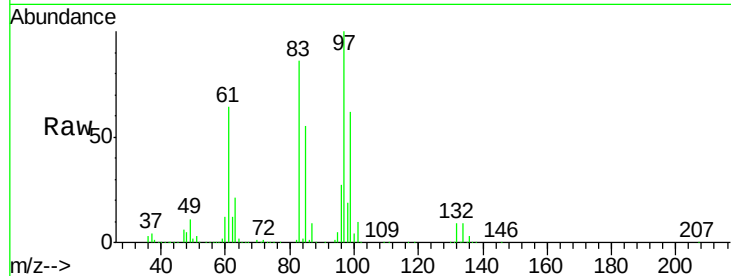
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	346666
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.4
85	54.7	45.0	67.6
99	61.7	49.9	74.9

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#56

Ethyl methacrylate

Concen: 176.52 ug/l

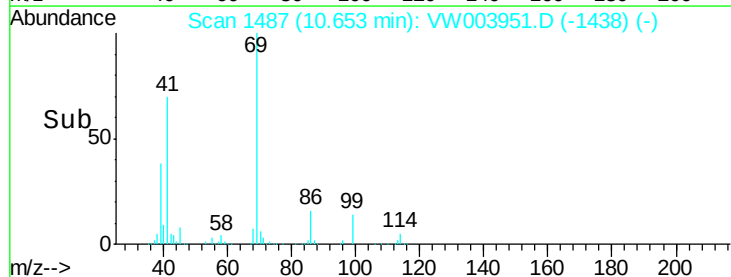
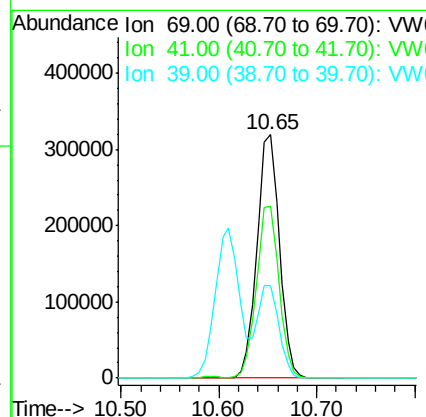
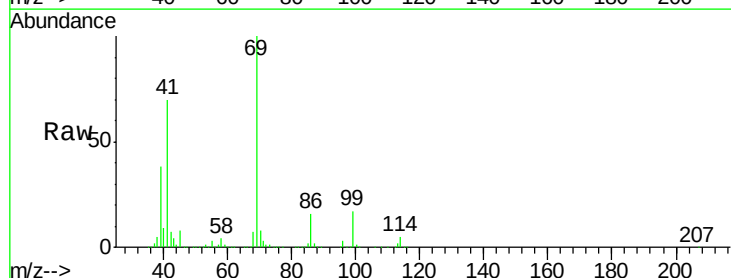
RT: 10.65 min Scan# 1487

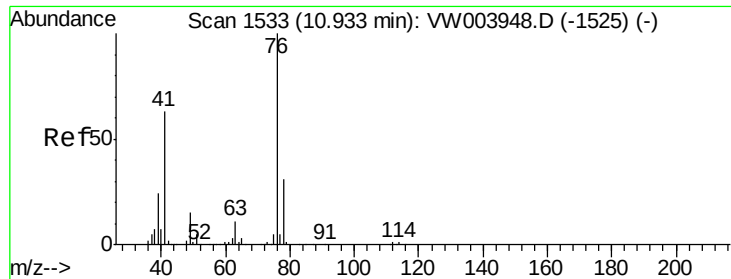
Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	69	Resp:	511336
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.5	84.7
39	34.4	30.2	45.4





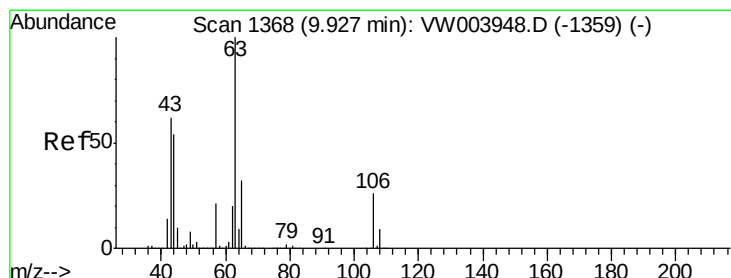
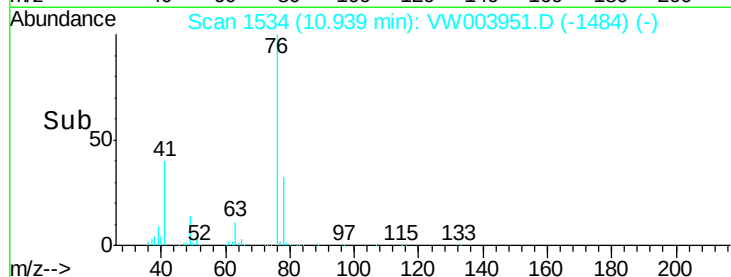
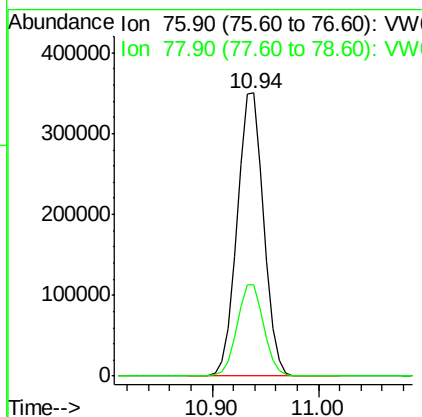
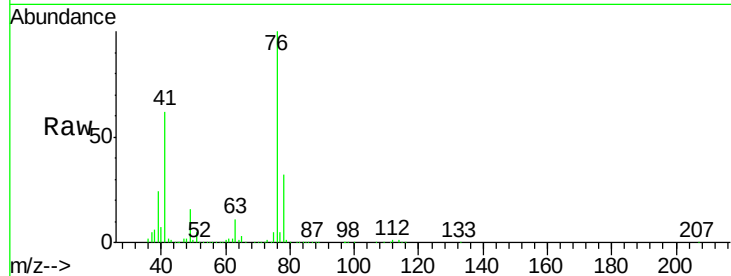
#57
 1,3-Dichloropropane
 Concen: 156.23 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 612504
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

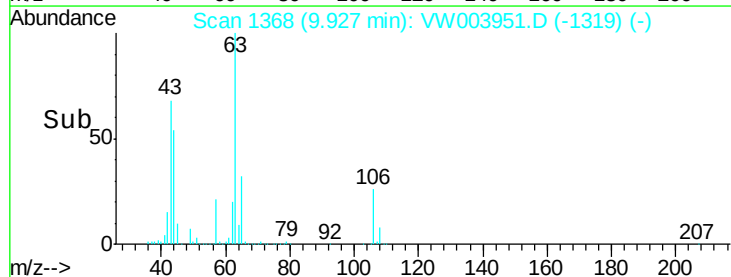
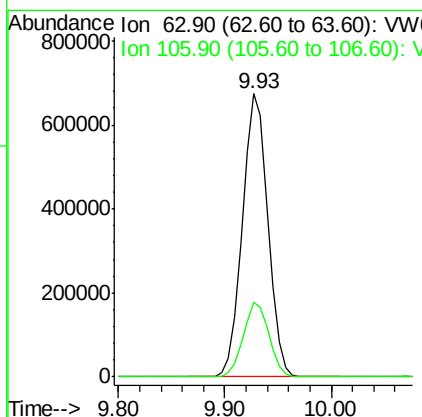
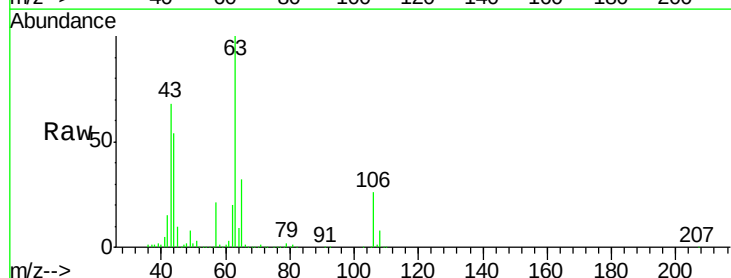
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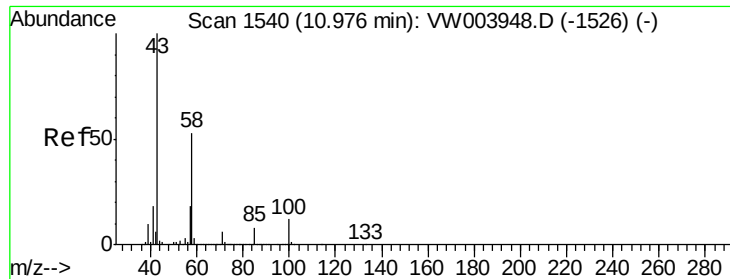
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#58
 2-Chloroethyl Vinyl ether
 Concen: 853.95 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion: 63 Resp: 1133964
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.2 31.8





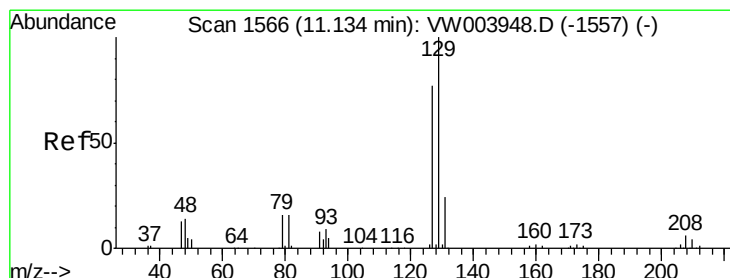
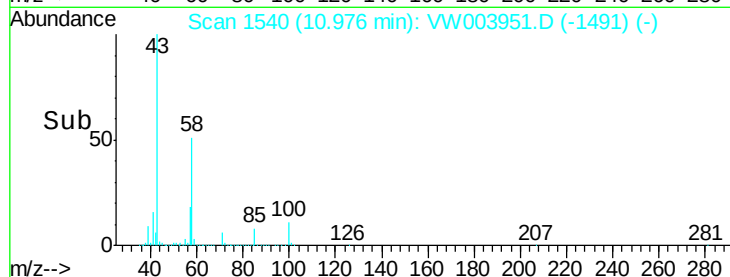
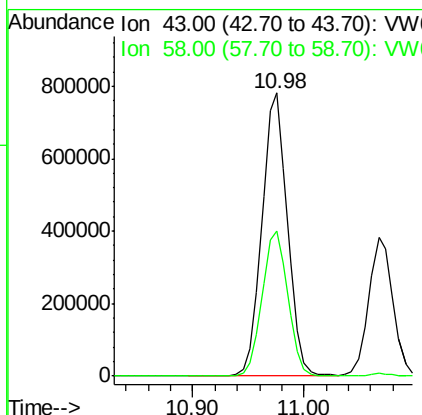
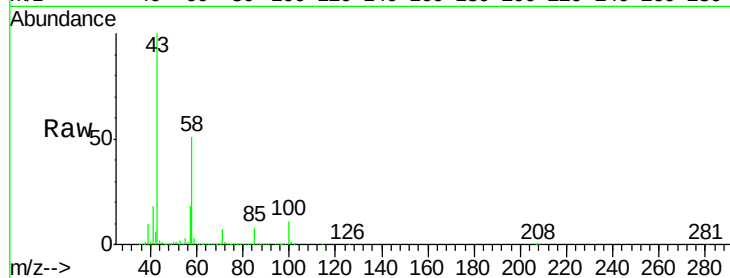
#59
2-Hexanone
Concen: 843.96 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1247402
Ion Ratio Lower Upper
43 100
58 51.9 26.0 78.0

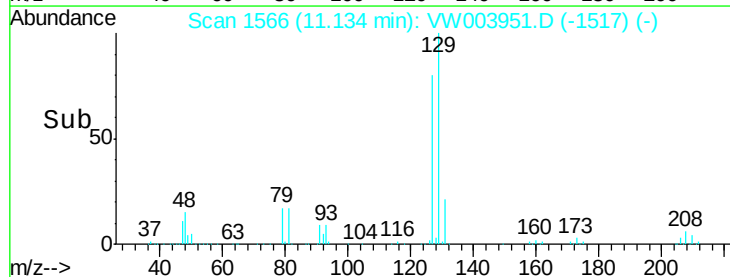
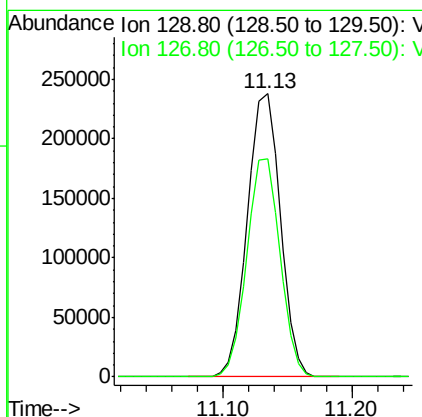
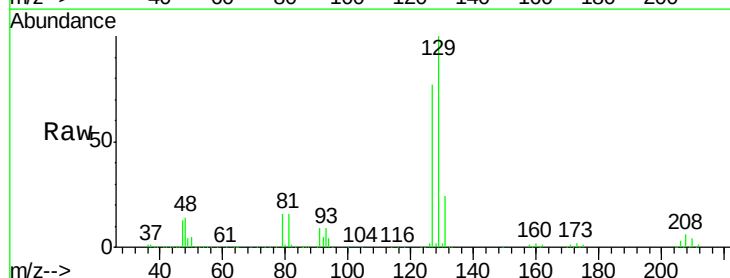
Manual Integrations
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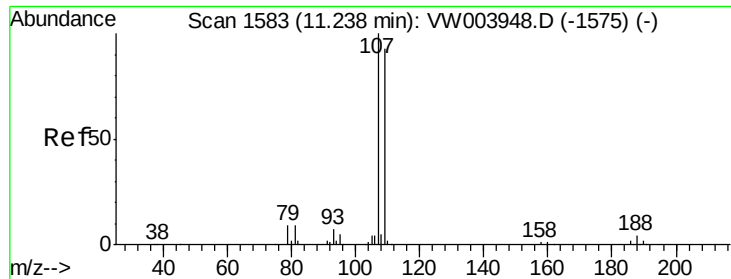
apatel
7/17/2018 10:11:21 AM



#60
Dibromochloromethane
Concen: 161.37 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion: 129 Resp: 422550
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





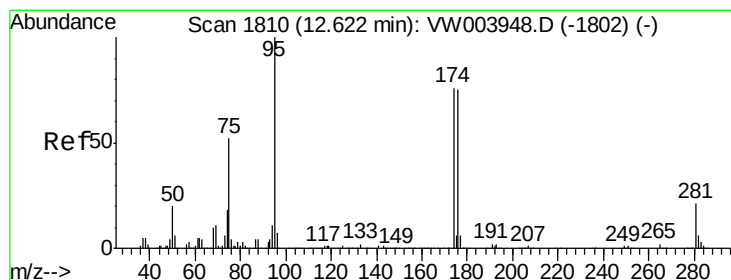
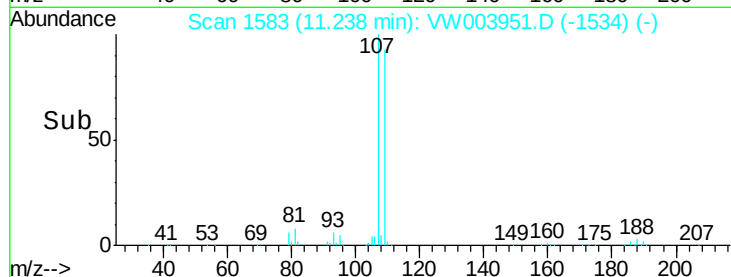
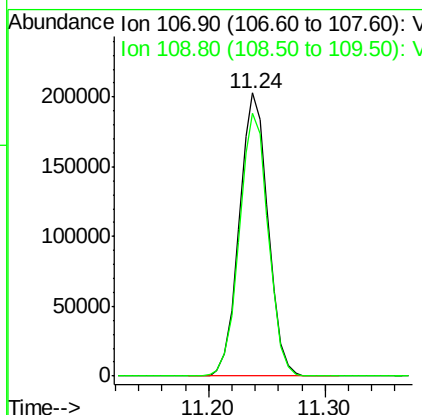
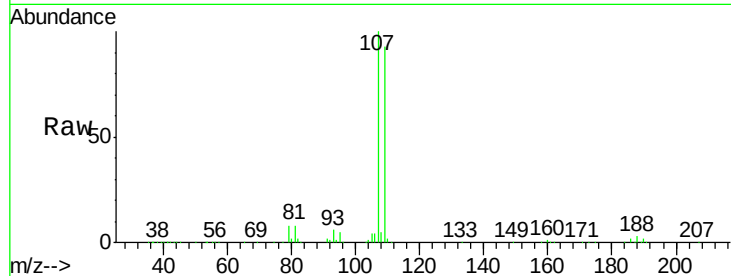
#61
 1,2-Dibromoethane
 Concen: 162.52 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.3	111.5

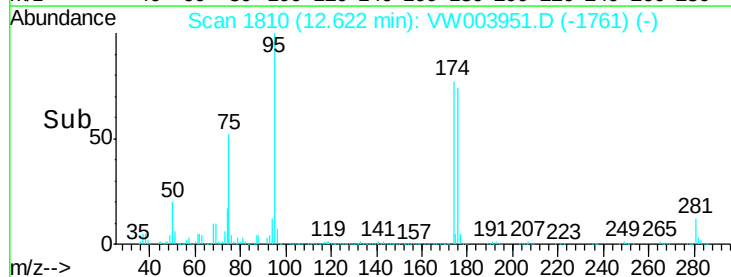
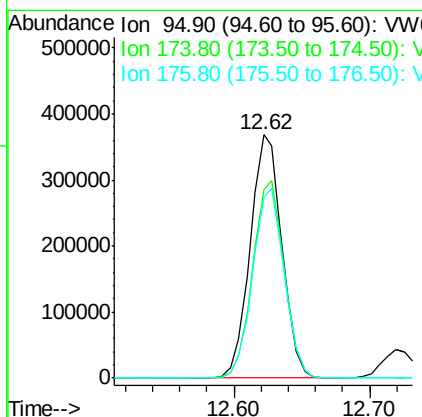
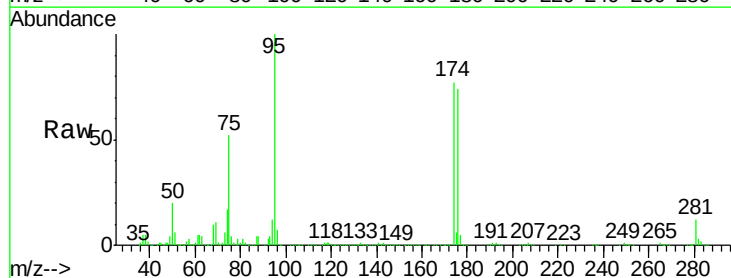
Manual Integrations
 APPROVED

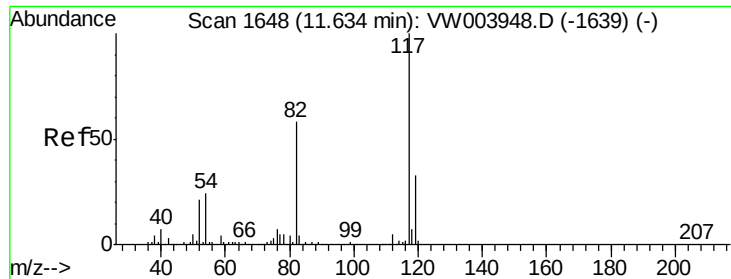
apatel
 7/17/2018 10:11:21 AM



#62
 4-Bromofluorobenzene
 Concen: 158.10 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	160.2
176	77.8	0.0	155.8





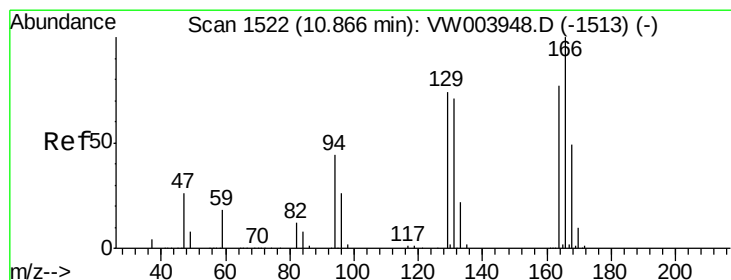
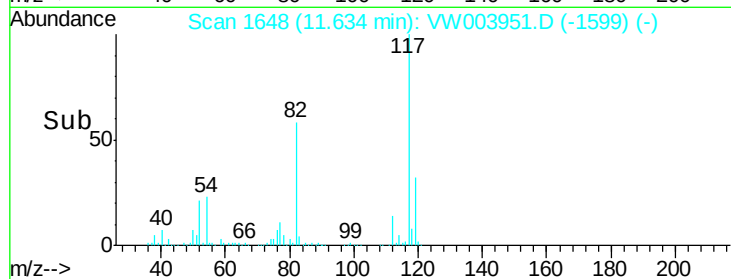
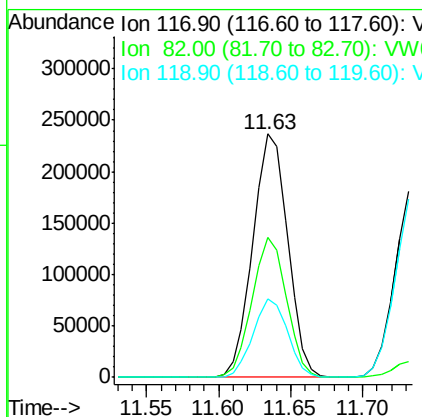
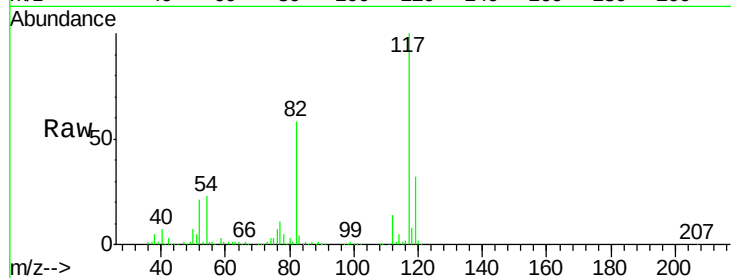
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.5	69.7
119	32.2	26.2	39.2

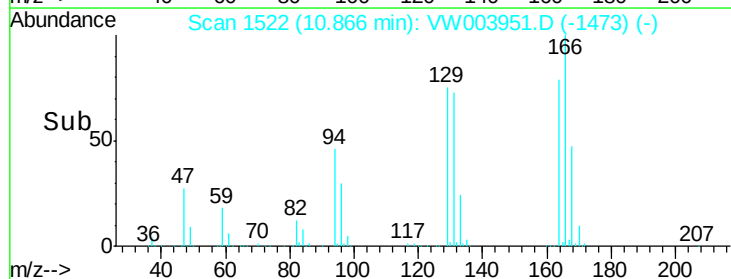
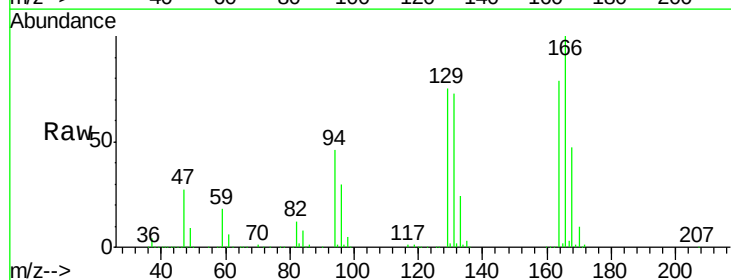
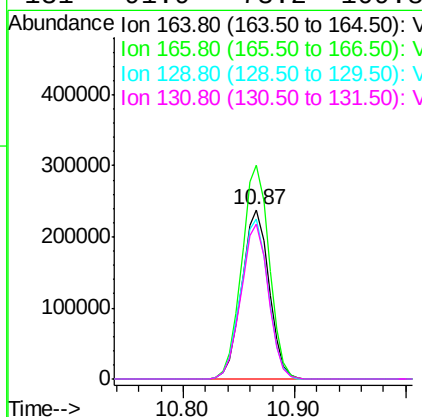
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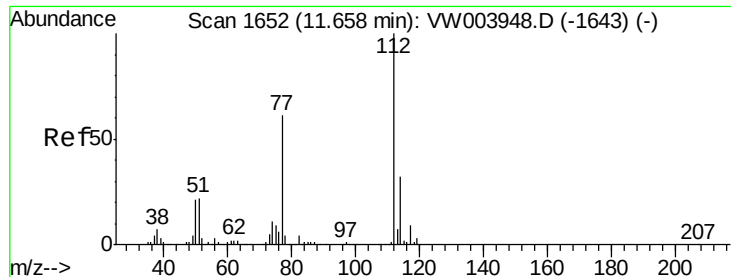
apatel
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#64
Tetrachloroethene
Concen: 148.76 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.5	155.3
129	95.0	76.8	115.2
131	91.9	73.2	109.8





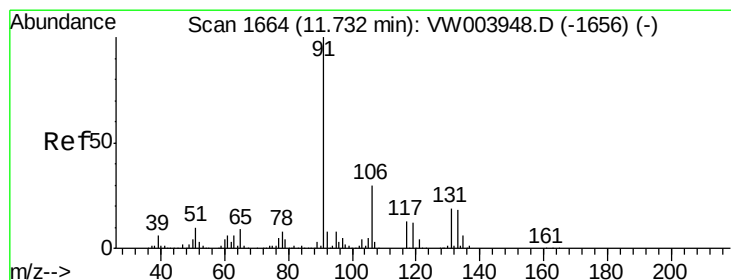
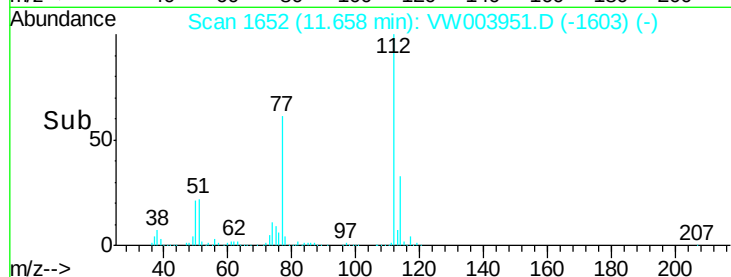
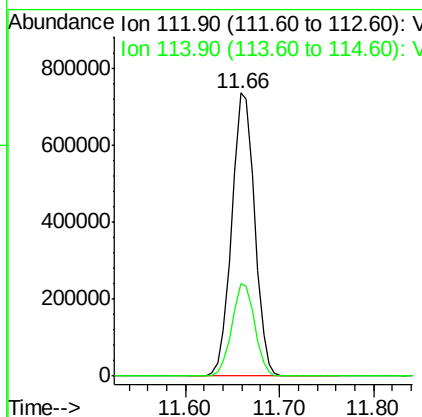
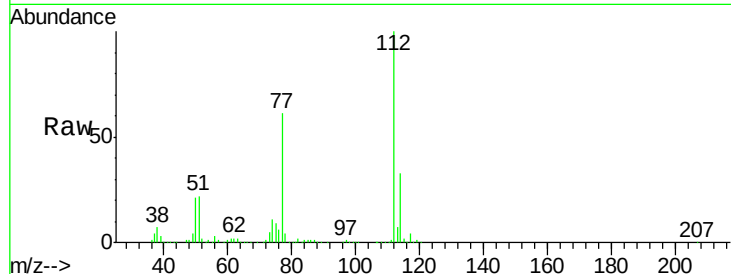
#65
Chlorobenzene
Concen: 147.23 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1240234
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

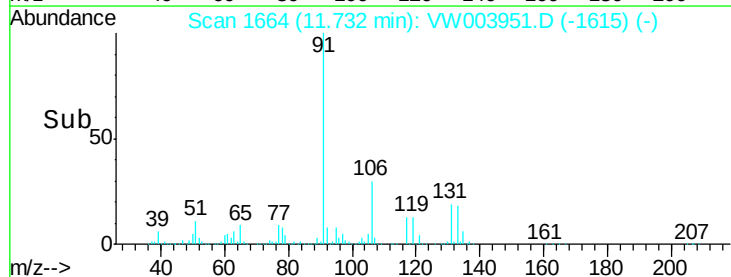
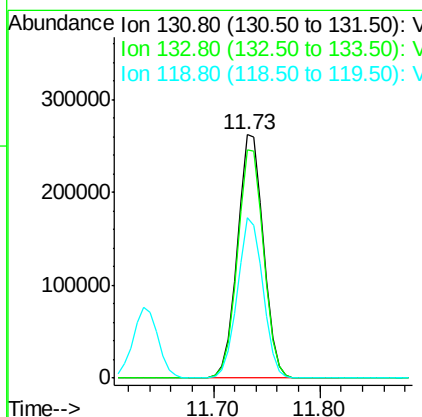
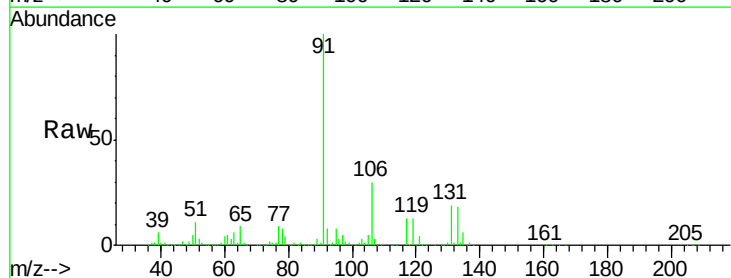
Manual Integrations
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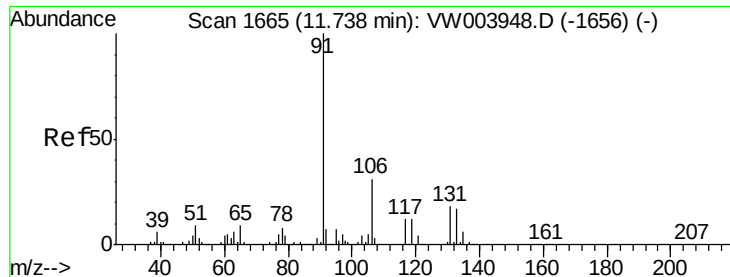
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#66
1,1,1,2-Tetrachloroethane
Concen: 154.33 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion:131 Resp: 449317
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.8
119 65.0 32.5 97.5





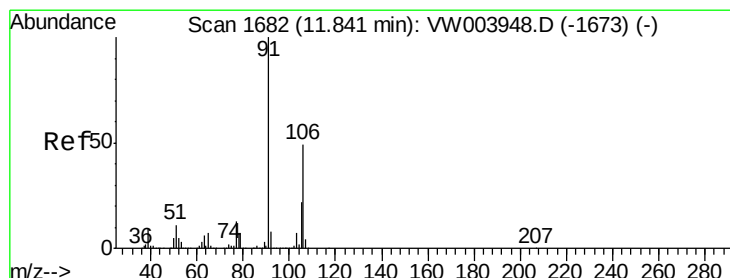
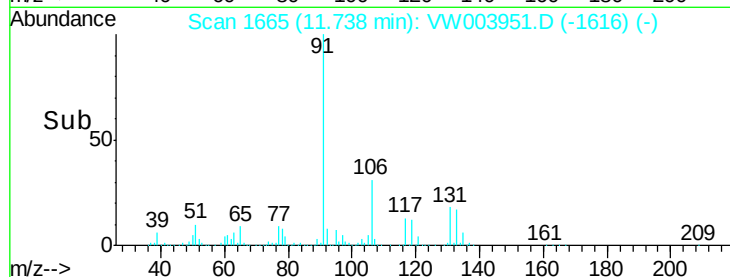
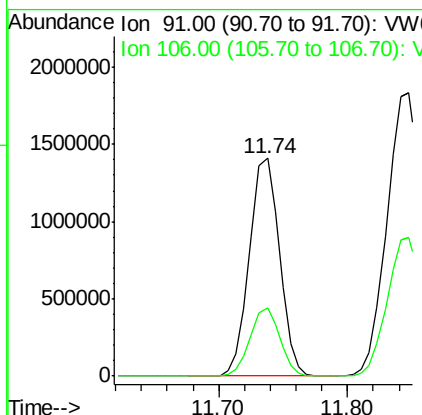
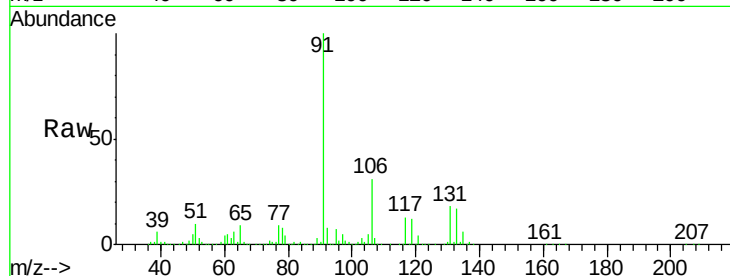
#67
Ethyl Benzene
Concen: 154.08 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2278147
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

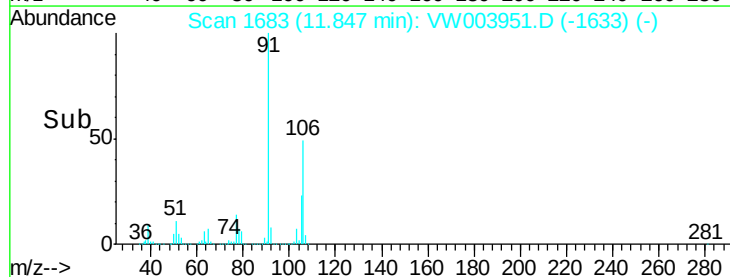
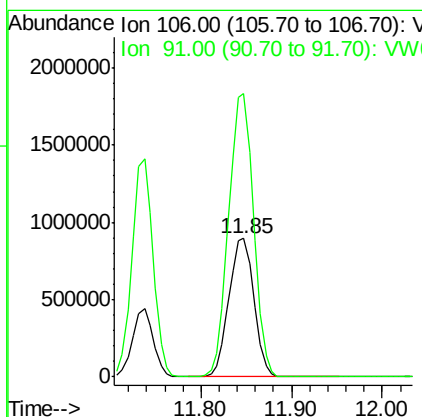
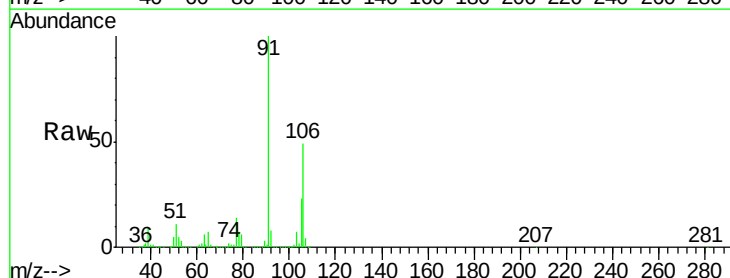
Manual Integrations
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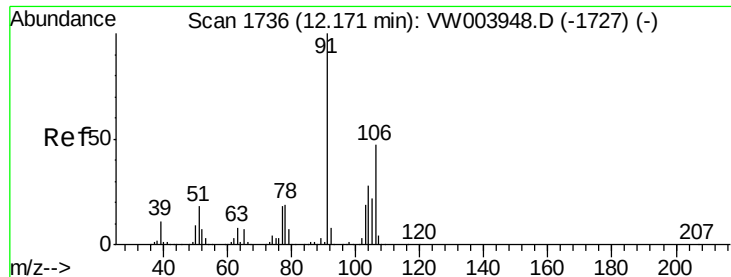
apatel
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#68
m/p-Xylenes
Concen: 303.00 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion: 106 Resp: 1712793
Ion Ratio Lower Upper
106 100
91 204.3 164.2 246.2





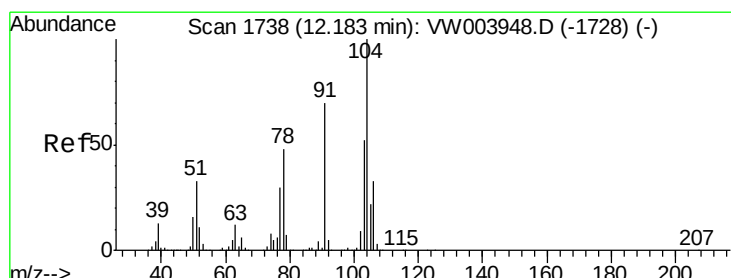
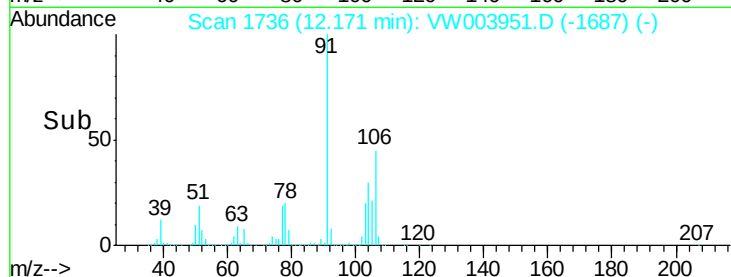
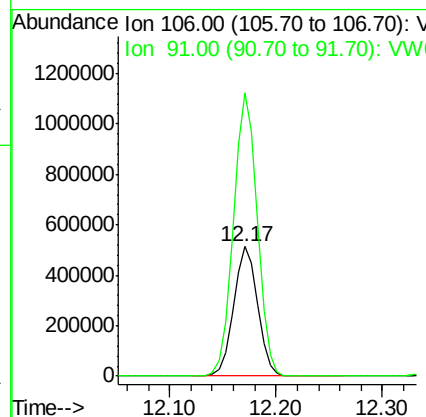
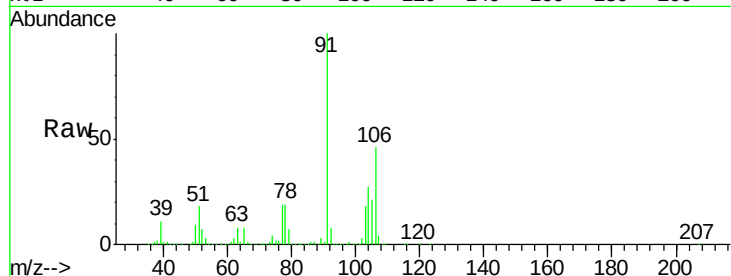
#69
o-Xylene
Concen: 154.53 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.3	107.5	322.6

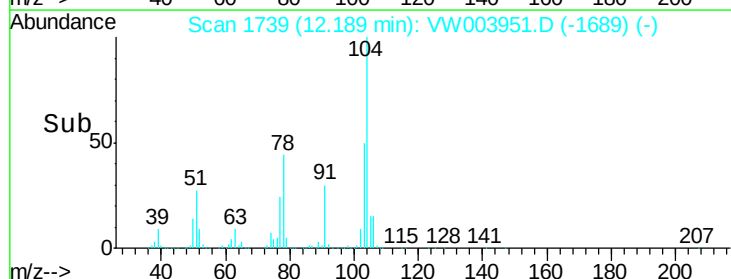
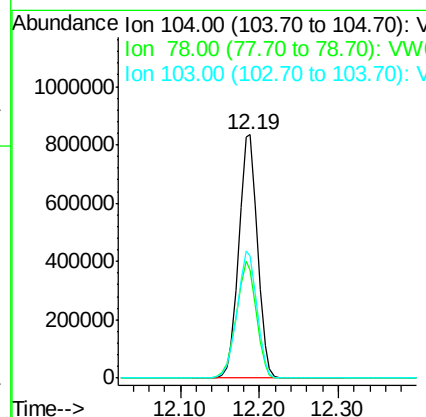
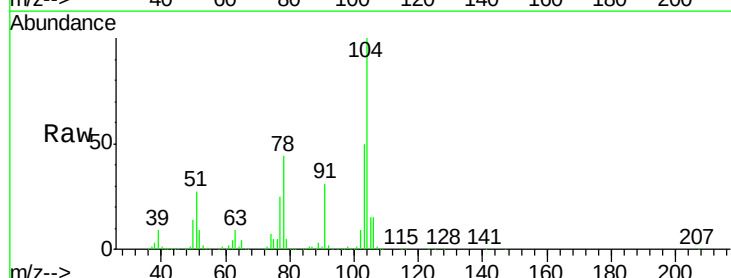
Manual Integrations
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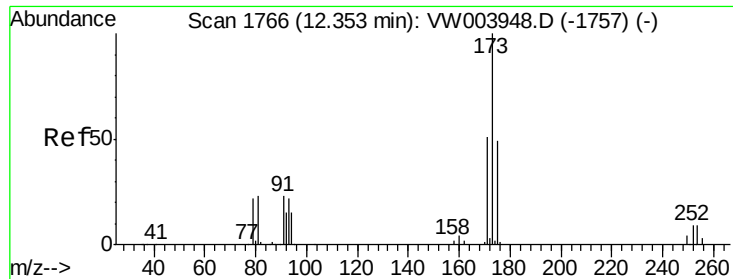
apatel
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#70
Styrene
Concen: 157.69 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.0	61.4
103	55.4	44.6	67.0





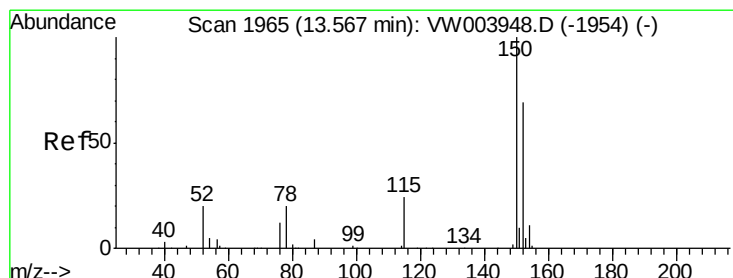
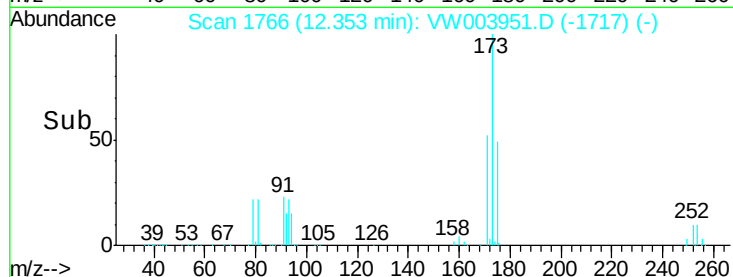
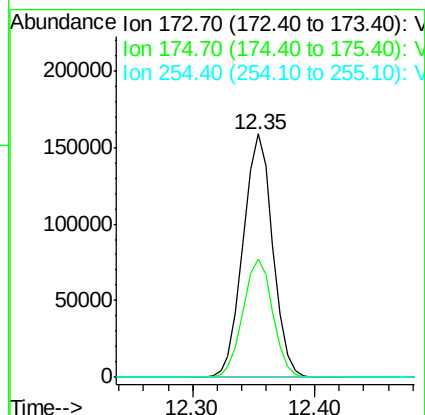
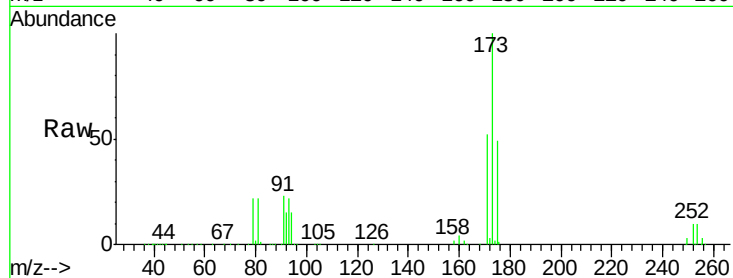
#71
Bromoform
Concen: 162.28 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.1	0.1	0.1

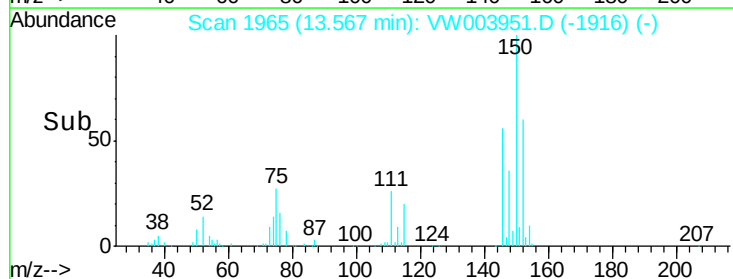
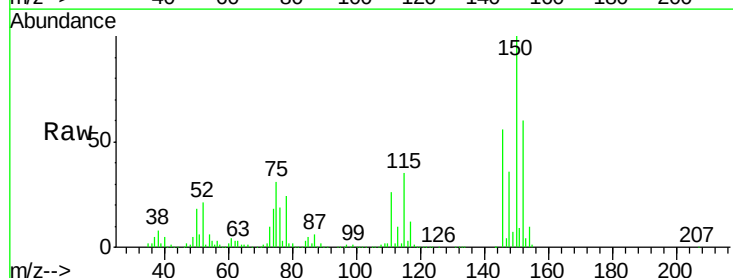
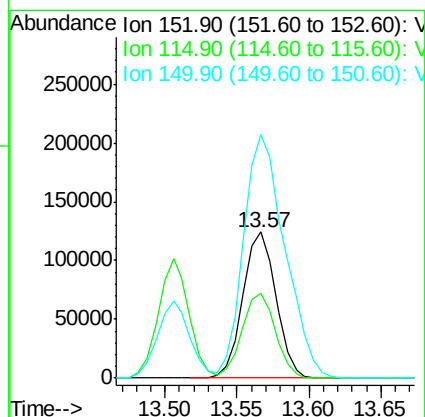
Manual Integrations
APPROVED

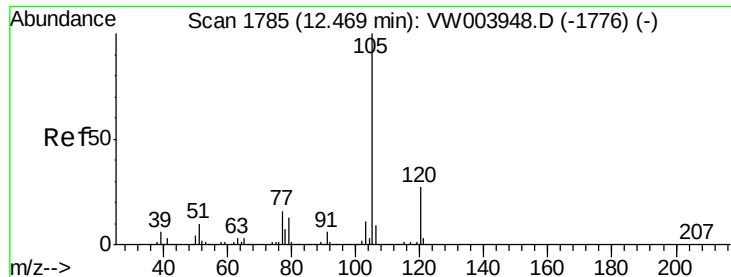
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.2	87.6
150	208.5	0.0	345.2





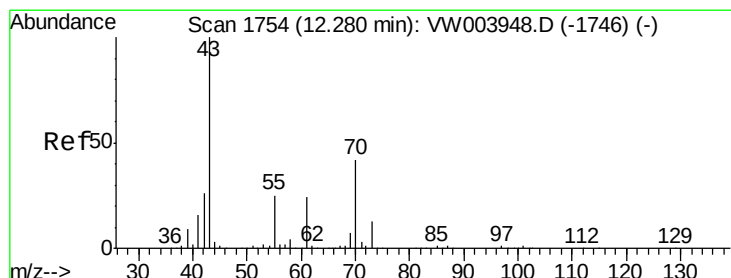
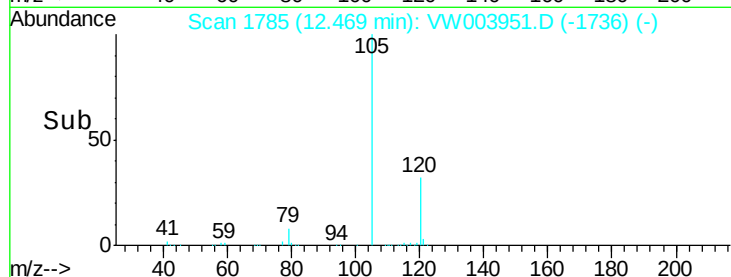
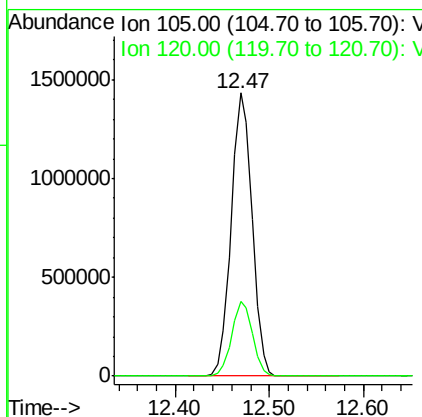
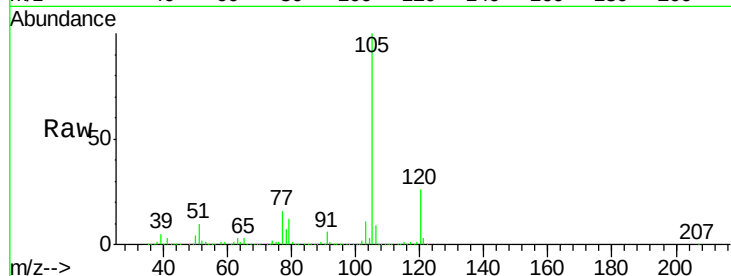
#73
Isopropylbenzene
Concen: 160.27 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 2205077
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6

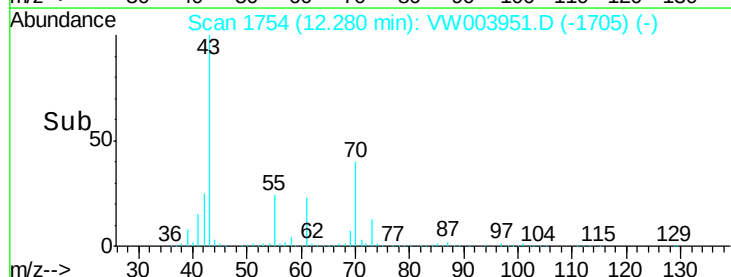
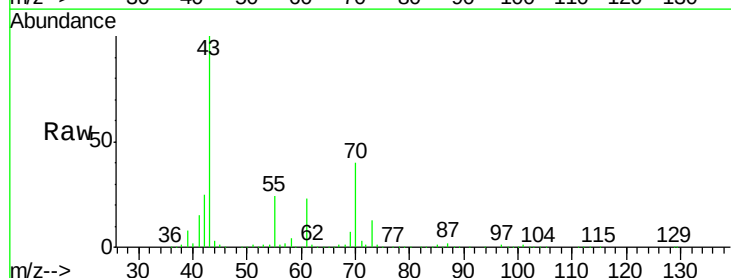
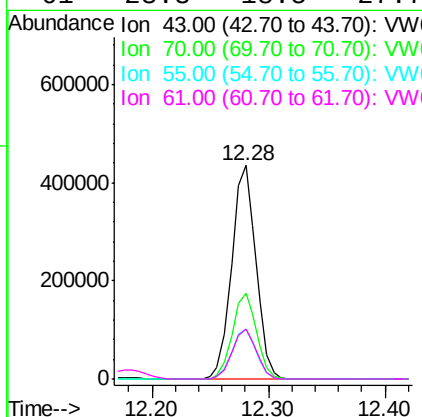
Manual Integrations
APPROVED

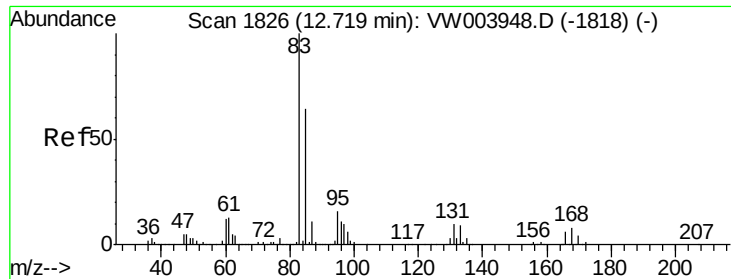
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#74
N-ethyl acetate
Concen: 176.52 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion: 43 Resp: 630348
Ion Ratio Lower Upper
43 100
70 40.3 31.6 47.4
55 23.8 20.0 30.0
61 23.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 160.63 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

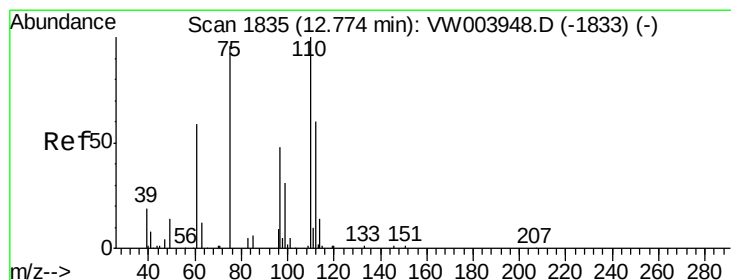
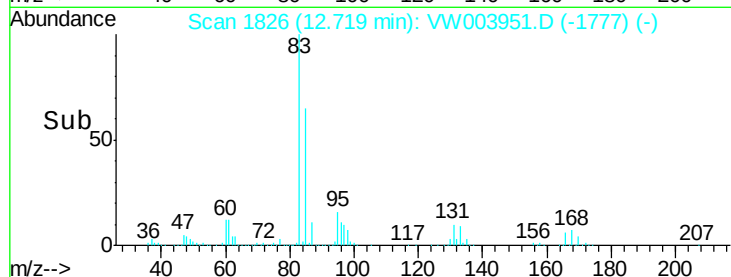
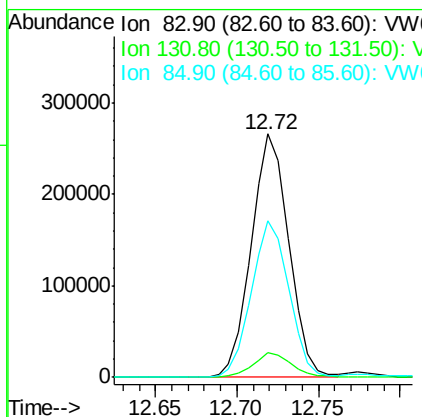
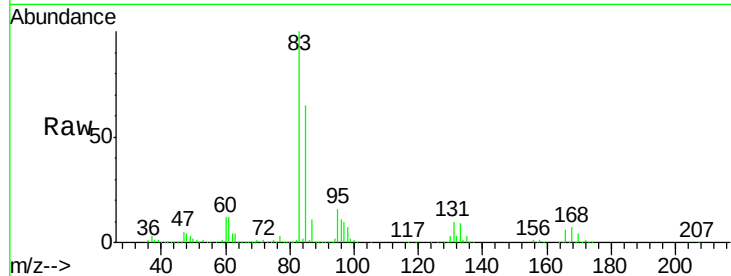
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	428186
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.4	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 155.19 ug/l m

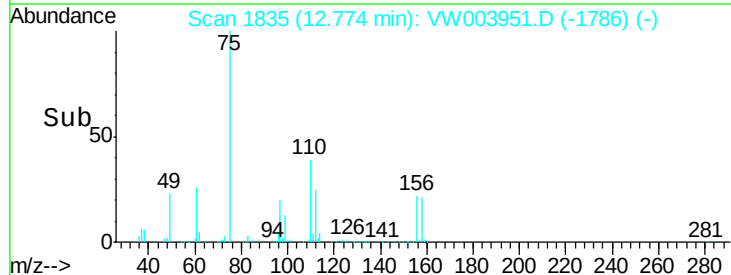
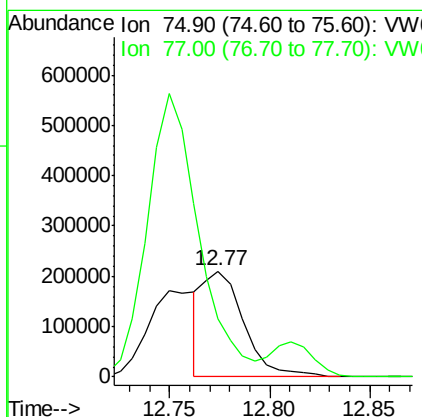
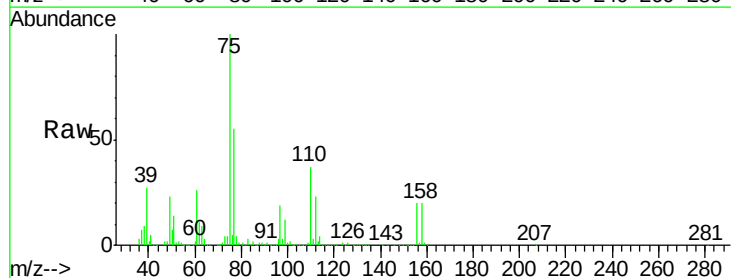
RT: 12.77 min Scan# 1835

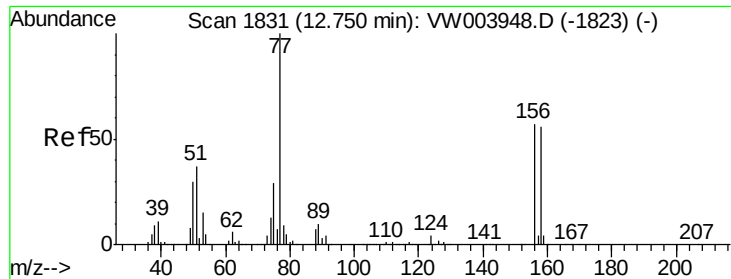
Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	75	Resp:	300657
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 157.91 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

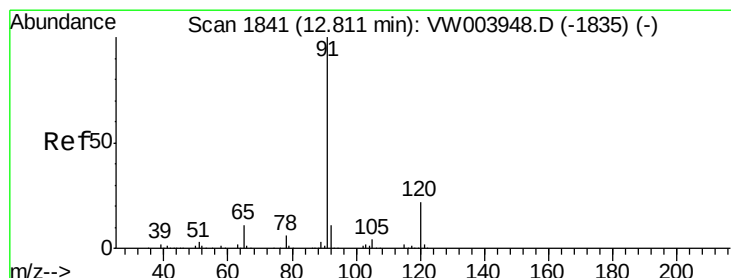
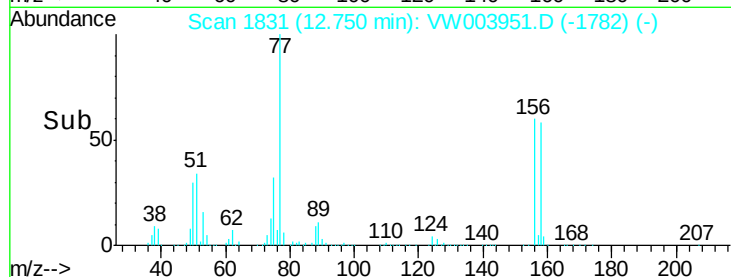
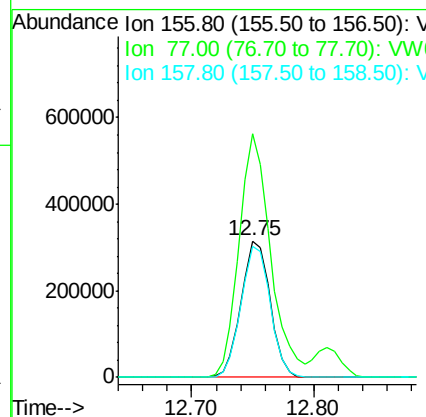
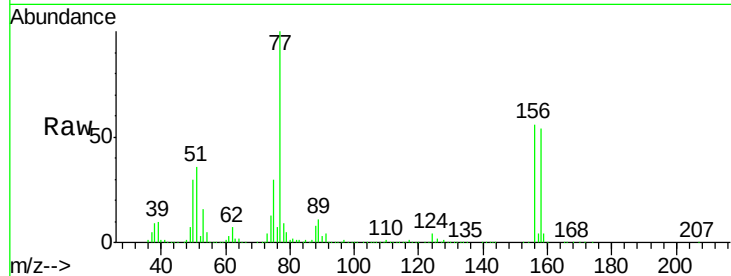
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	519106
Ion Ratio	Lower	Upper	
156	100		
77	193.3	96.2	288.6
158	96.5	48.5	145.5

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#78

n-propylbenzene

Concen: 157.06 ug/l

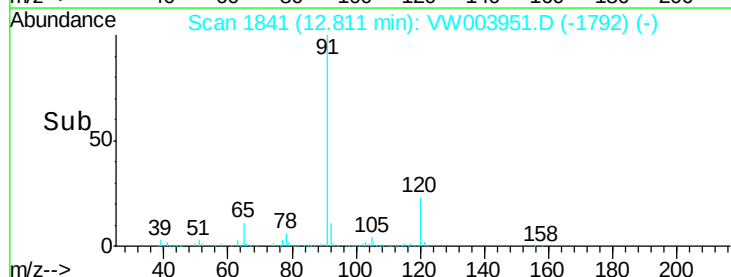
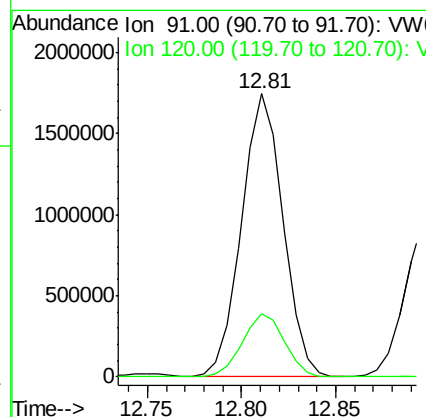
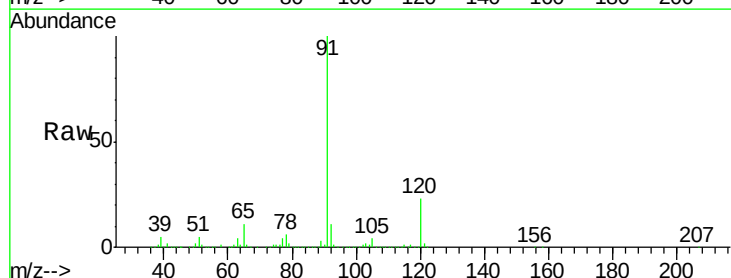
RT: 12.81 min Scan# 1841

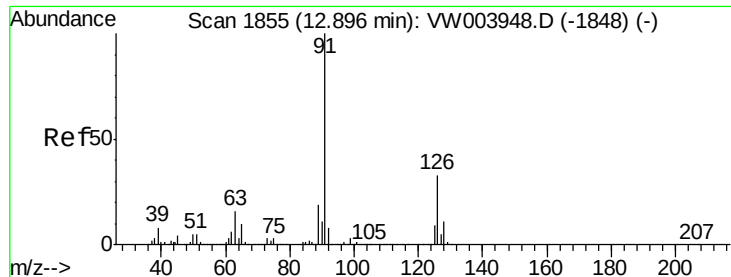
Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	91	Resp:	2658653
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.6





#79

2-Chlorotoluene

Concen: 156.47 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1492064

Ion Ratio Lower Upper

91 100

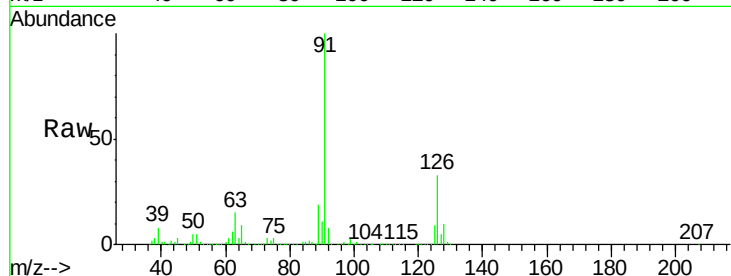
126 33.7 17.0 51.0

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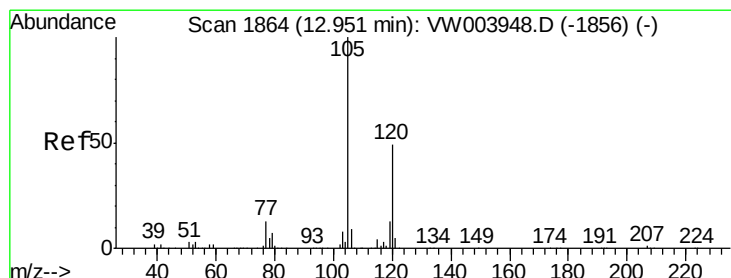
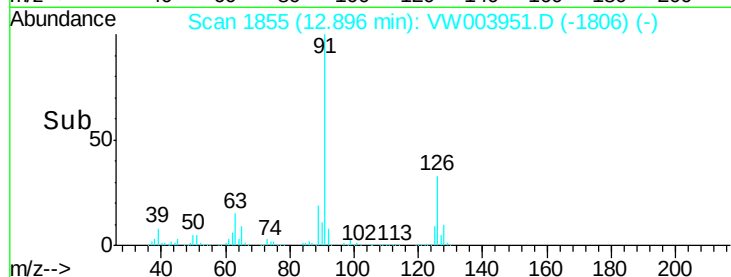
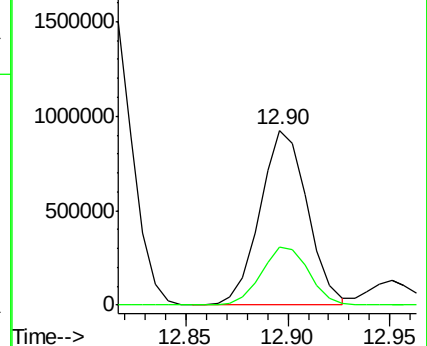
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 156.65 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003951.D

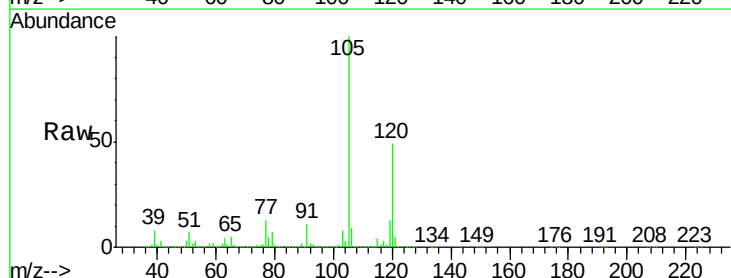
Acq: 16 Jul 2018 14:33

Tgt Ion:105 Resp: 1819904

Ion Ratio Lower Upper

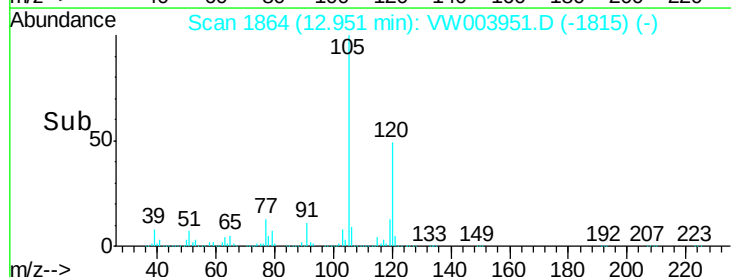
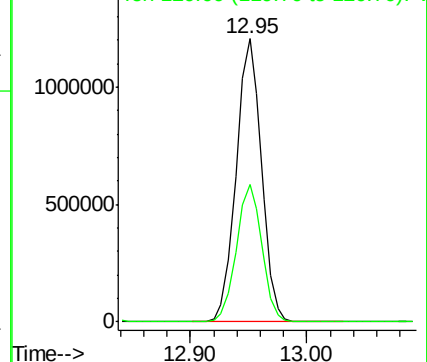
105 100

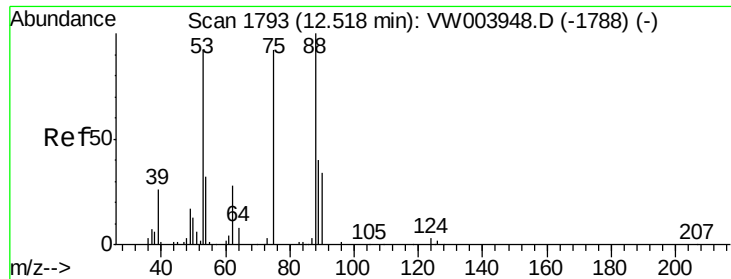
120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 171.01 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

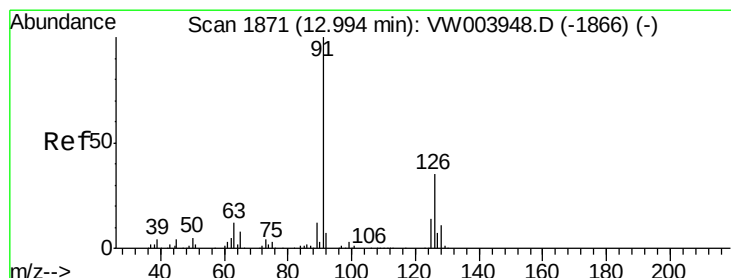
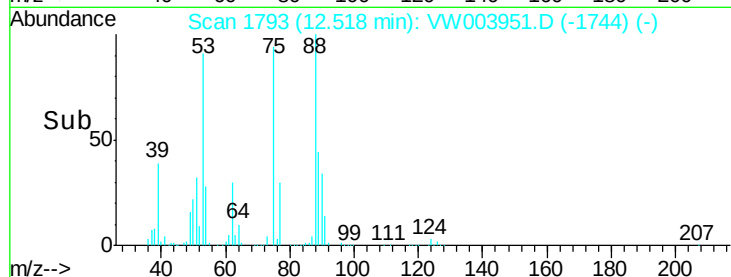
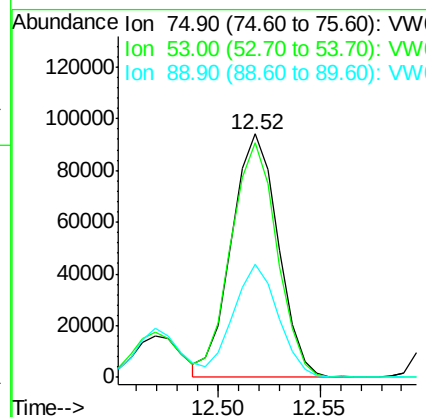
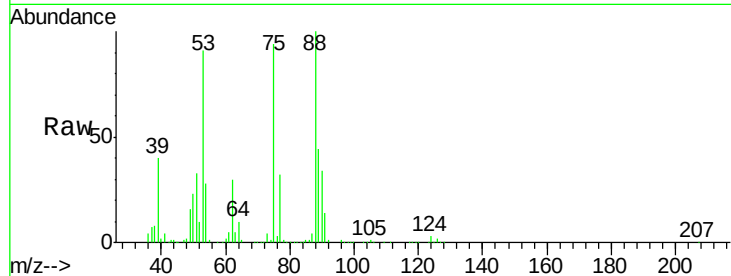
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	148652
Ion Ratio	Lower	Upper	
75	100		
53	96.2	77.6	116.4
89	44.9	36.6	54.8

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#82

4-Chlorotoluene

Concen: 155.74 ug/l

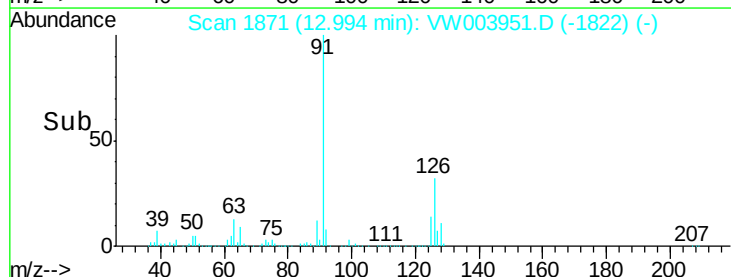
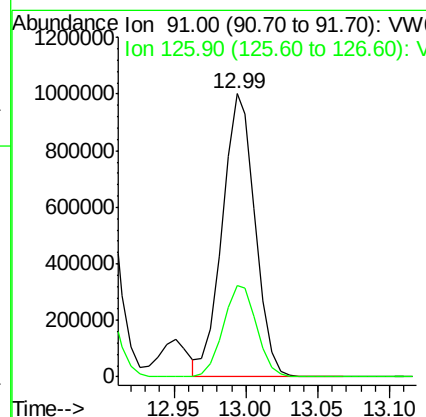
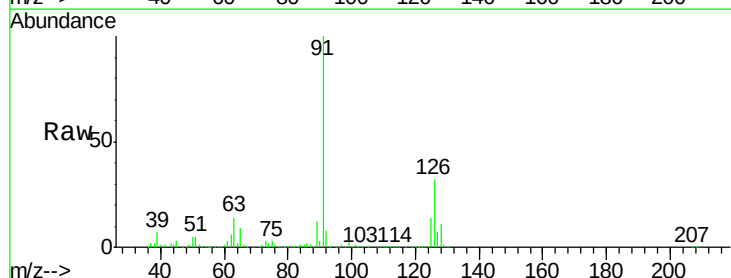
RT: 12.99 min Scan# 1871

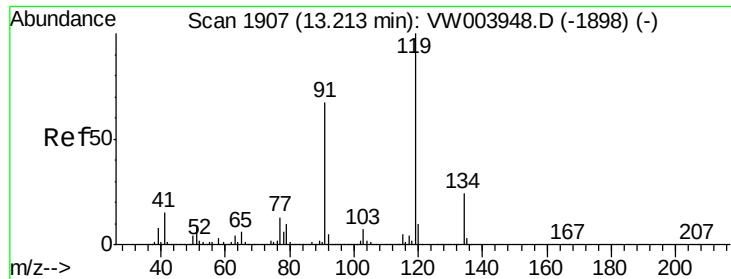
Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Tgt Ion:	91	Resp:	1589146
Ion Ratio	Lower	Upper	
91	100		
126	33.2	16.7	50.0





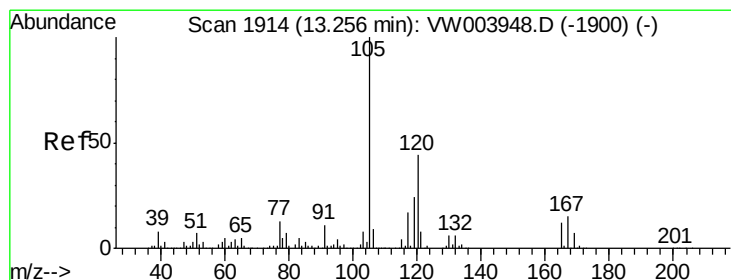
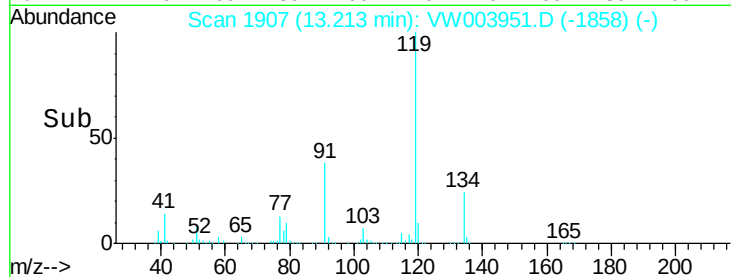
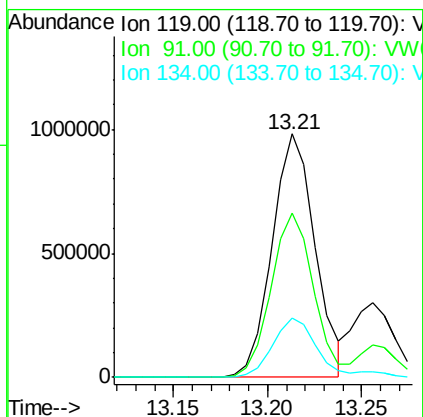
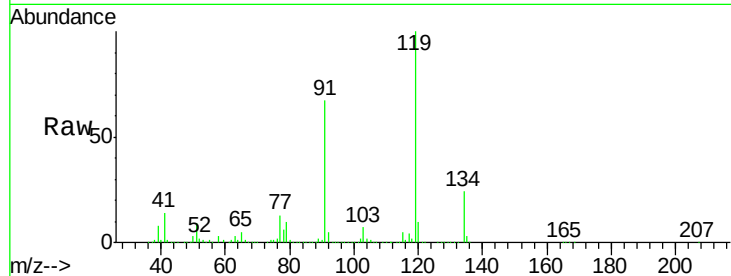
#83
tert-Butylbenzene
Concen: 158.79 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:119 Resp: 1548412
Ion Ratio Lower Upper
119 100
91 67.4 33.2 99.6
134 26.0 13.0 38.9

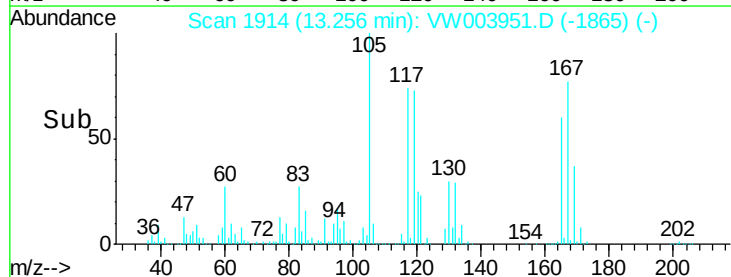
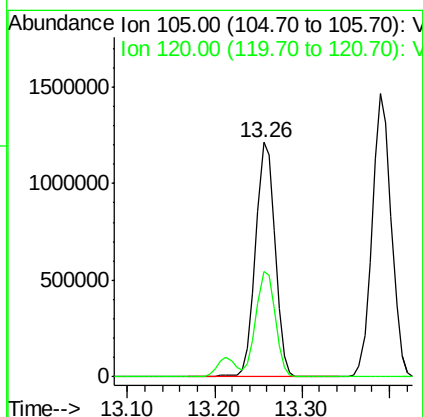
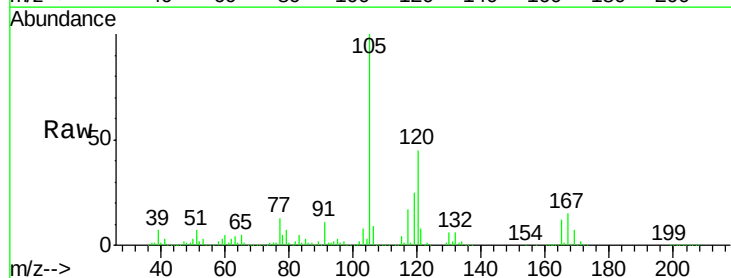
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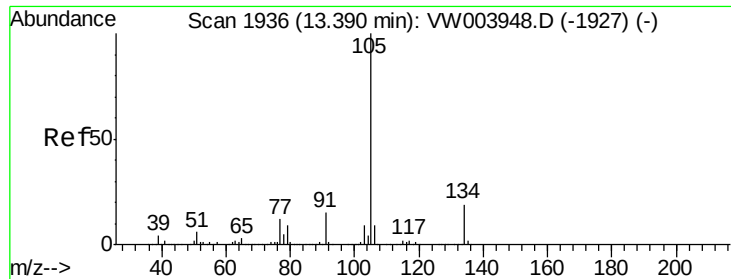
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#84
1,2,4-Trimethylbenzene
Concen: 157.16 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion:105 Resp: 1875319
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.1





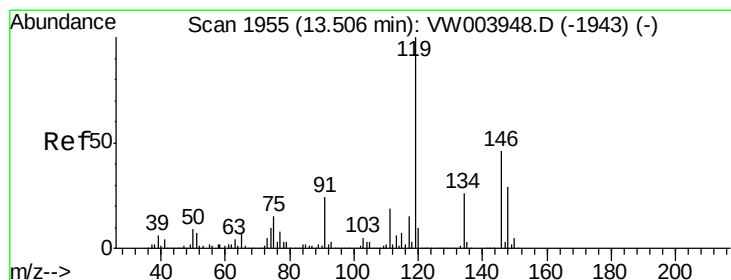
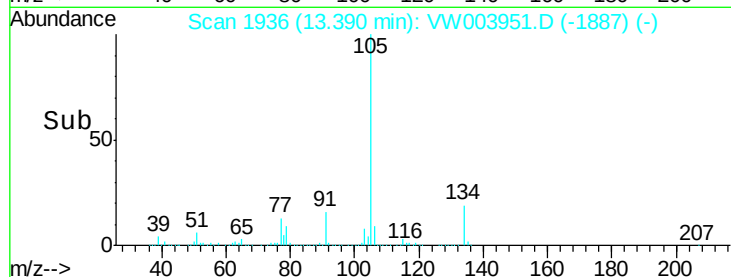
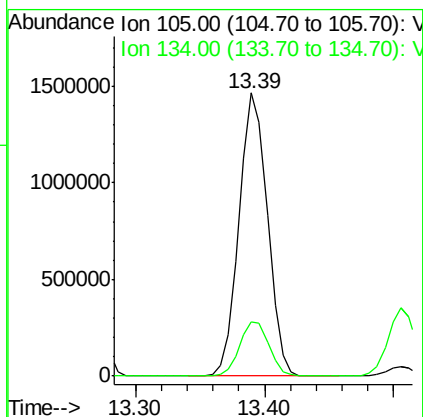
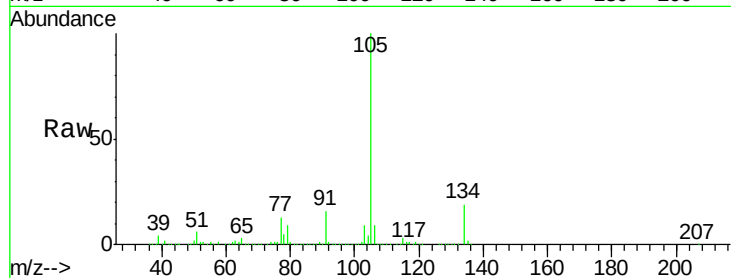
#85
 sec-Butylbenzene
 Concen: 154.32 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2237077
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.4

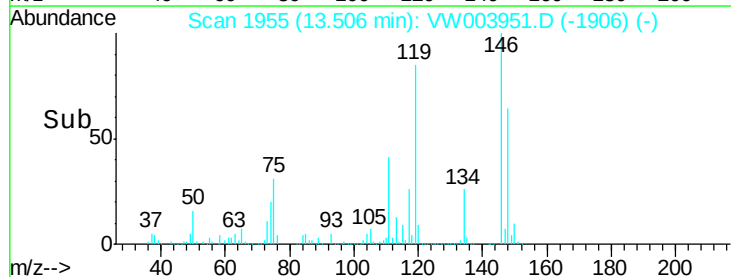
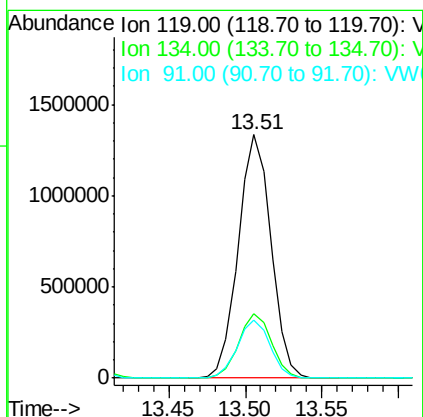
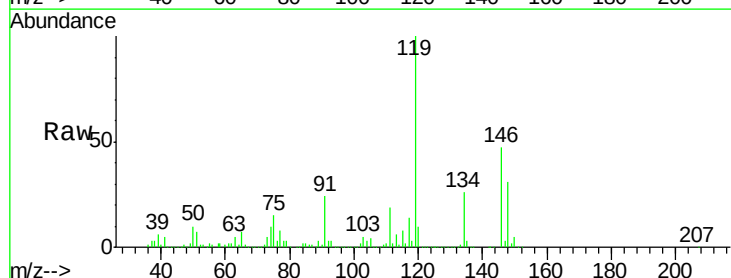
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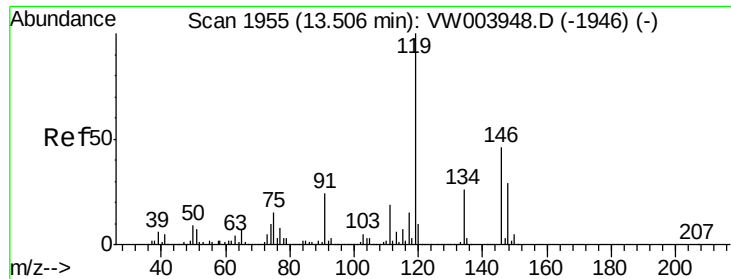
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#86
 p-Isopropyltoluene
 Concen: 155.32 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion:119 Resp: 1979203
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 23.9 11.8 35.3





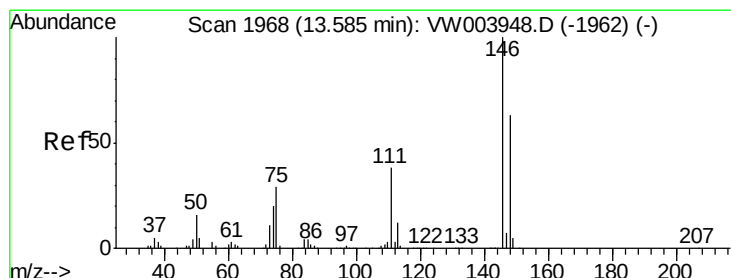
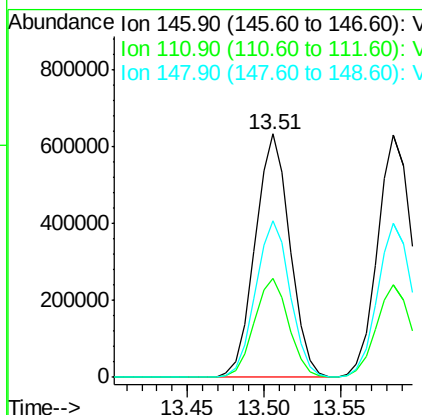
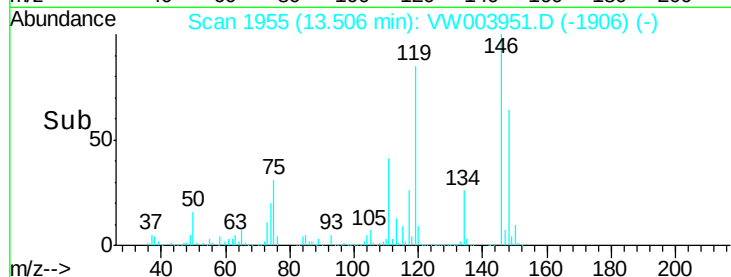
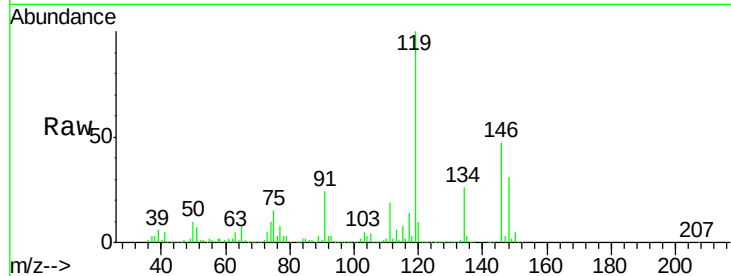
#87
1,3-Dichlorobenzene
Concen: 151.70 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:146 Resp: 1000484
Ion Ratio Lower Upper
146 100
111 40.3 19.9 59.6
148 64.1 31.9 95.5

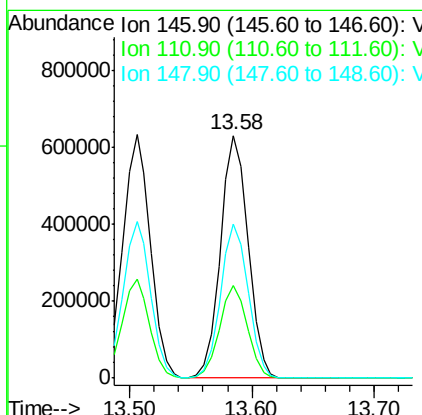
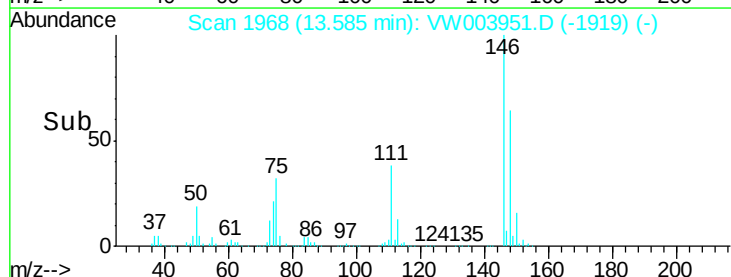
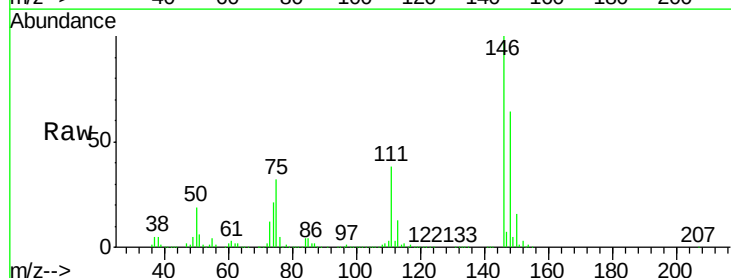
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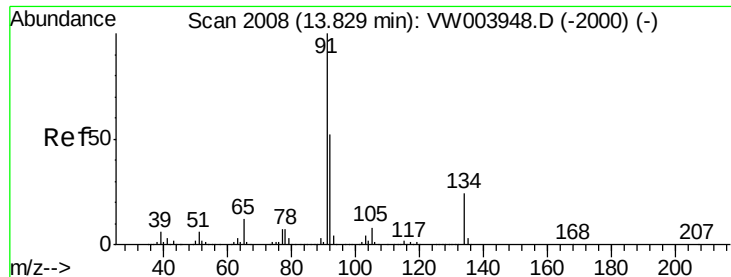
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#88
1,4-Dichlorobenzene
Concen: 149.05 ug/l
RT: 13.58 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion:146 Resp: 985807
Ion Ratio Lower Upper
146 100
111 38.5 19.6 58.7
148 63.7 32.3 96.8





#89

n-Butylbenzene

Concen: 153.39 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VW003951.D

Acq: 16 Jul 2018 14:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1920953

Ion Ratio Lower Upper

91 100

92 53.2 26.1 78.3

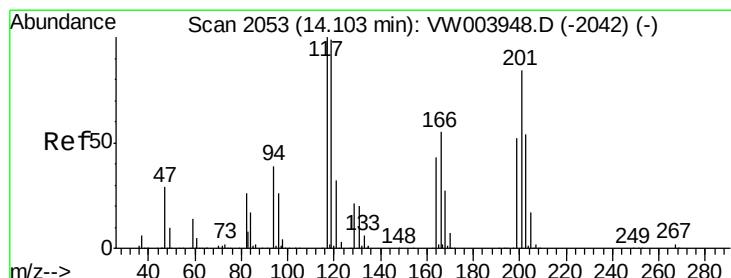
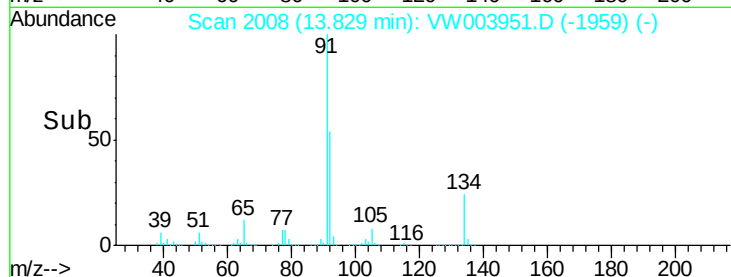
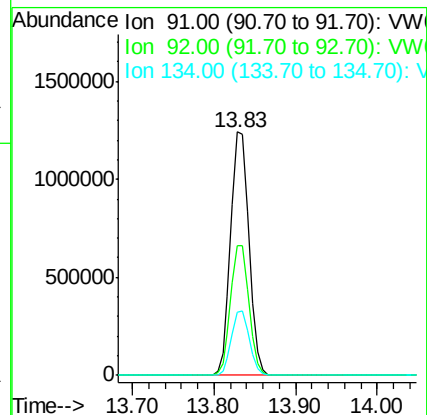
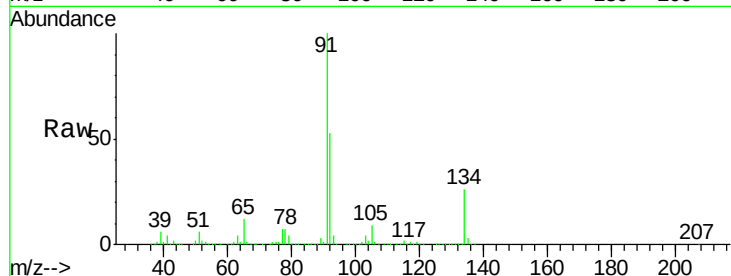
134 25.8 12.4 37.4

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#90

Hexachloroethane

Concen: 157.40 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW003951.D

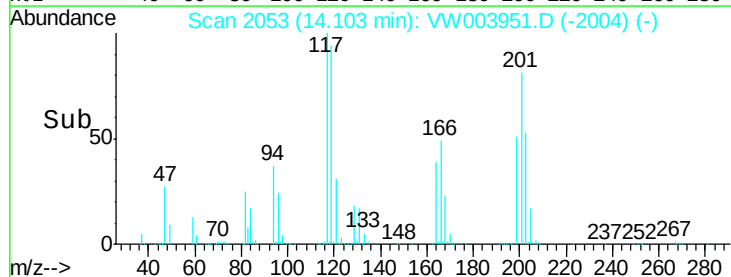
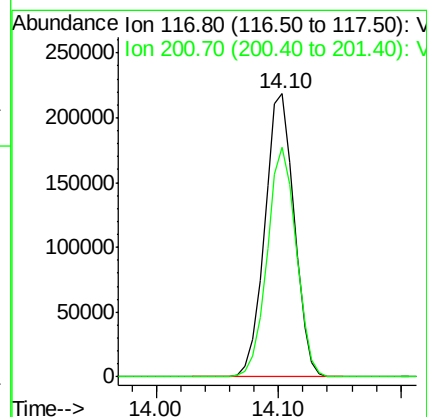
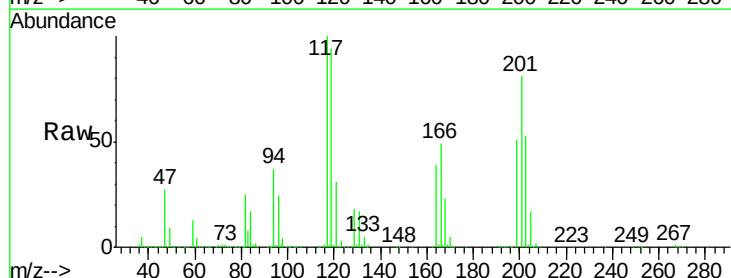
Acq: 16 Jul 2018 14:33

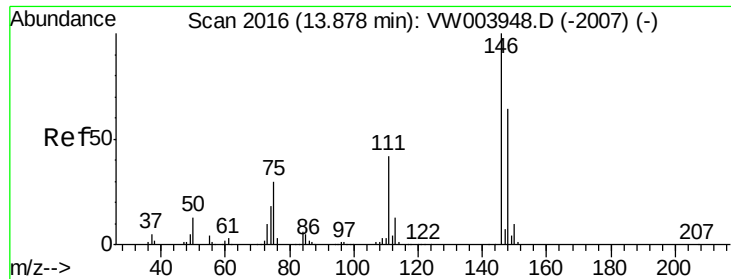
Tgt Ion: 117 Resp: 366815

Ion Ratio Lower Upper

117 100

201 79.8 40.3 120.9





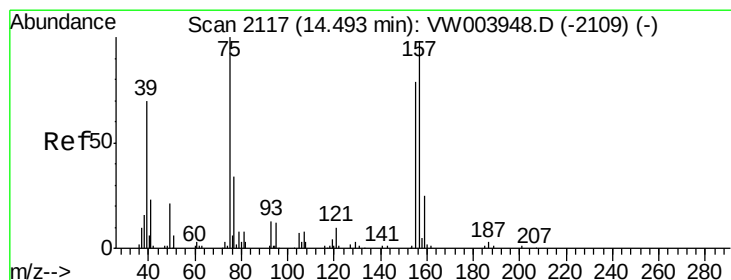
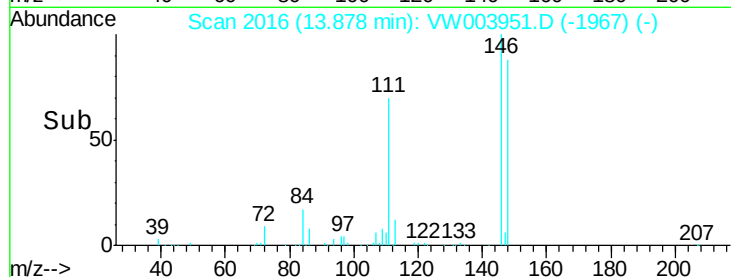
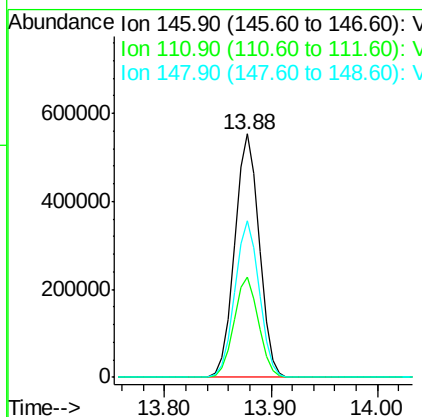
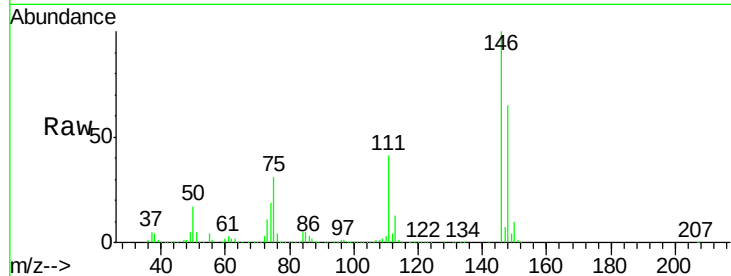
#91
 1,2-Dichlorobenzene
 Concen: 152.65 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	897351		
111	40.9	20.7	62.1	
148	64.0	32.0	96.2	

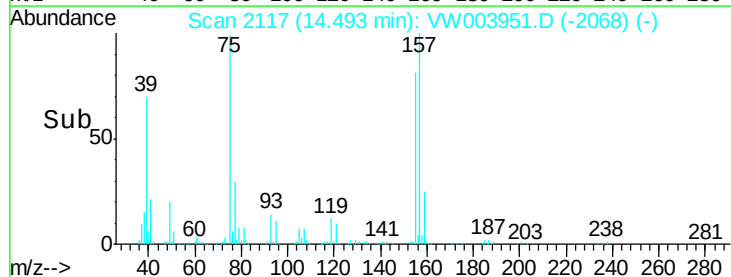
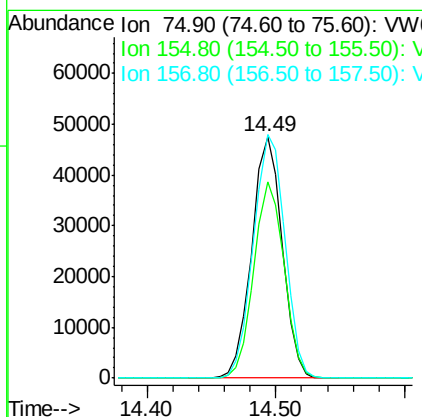
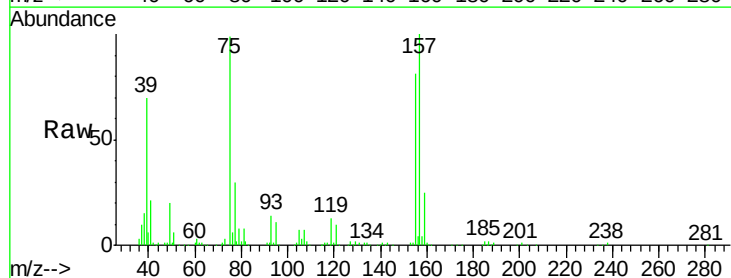
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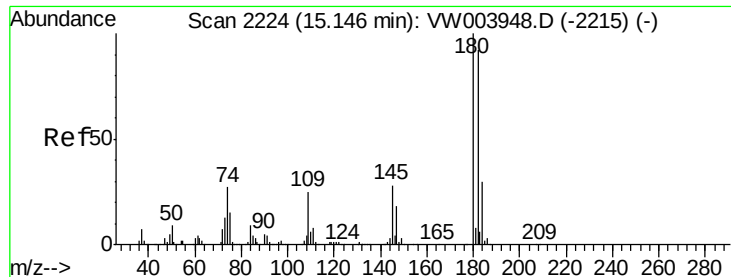
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 163.01 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77200		
155	80.9	39.4	118.1	
157	104.9	51.8	155.4	





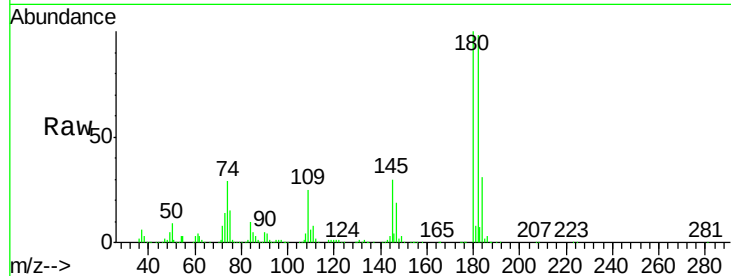
#93
 1,2,4-Trichlorobenzene
 Concen: 156.75 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	645530		
182	96.4	46.9	140.8	
145	30.7	15.0	45.0	

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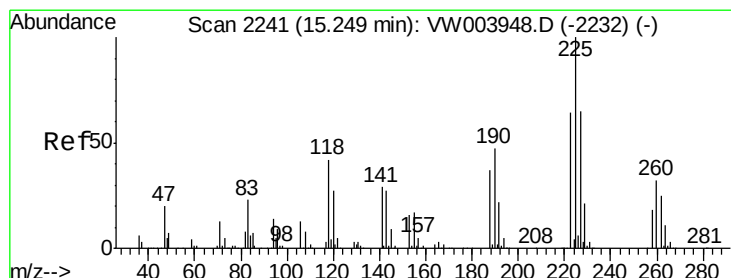
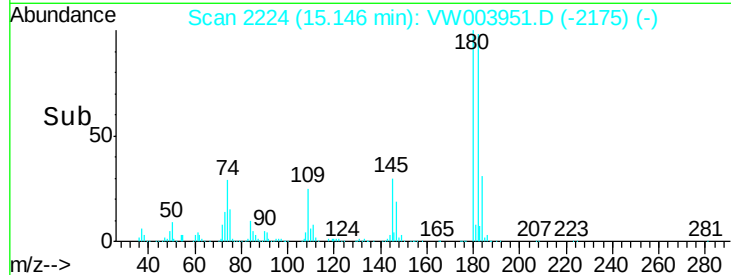
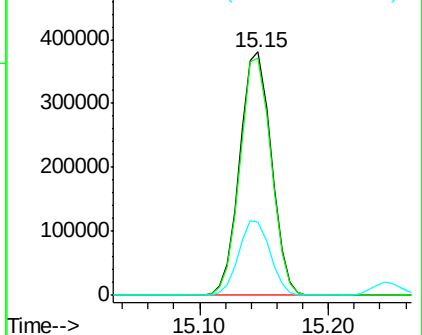


Abundance

Ion 179.80 (179.50 to 180.50): V

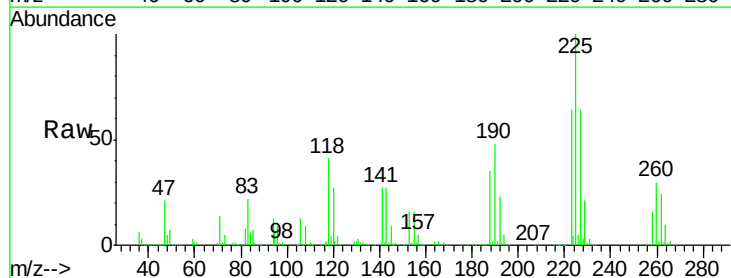
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 148.52 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW003951.D
 Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	353907		
223	63.4	32.0	96.2	
227	63.7	32.3	96.9	

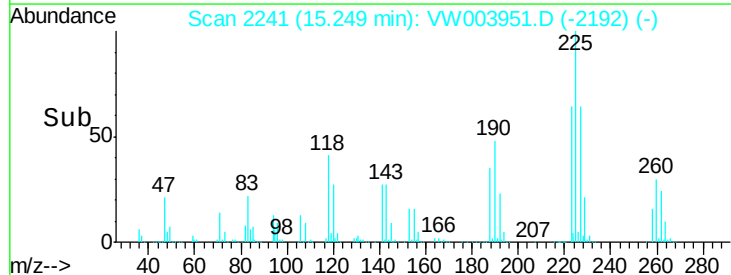
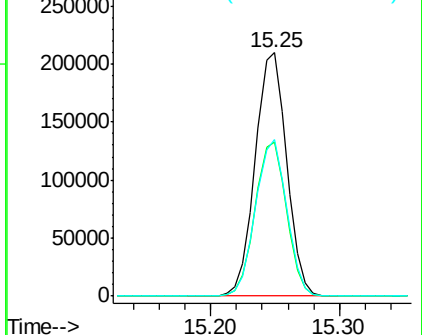


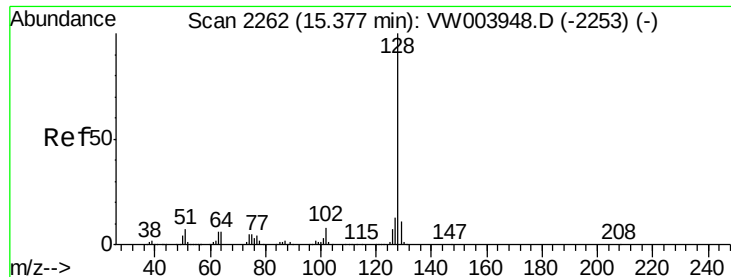
Abundance

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





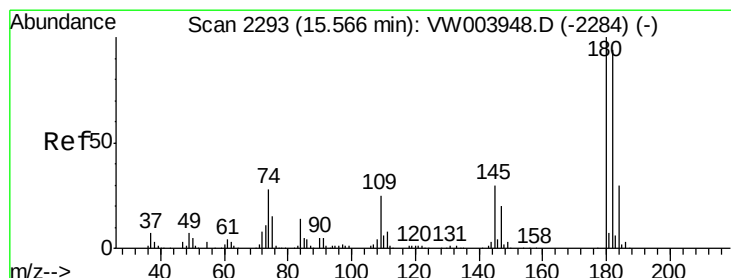
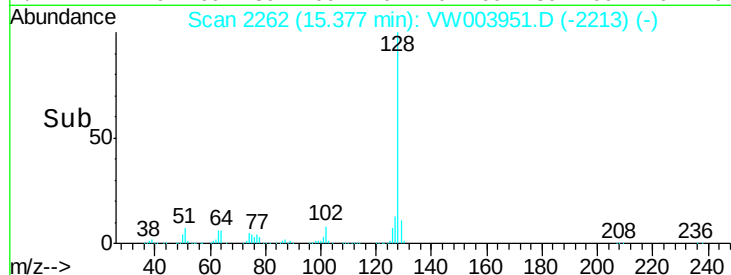
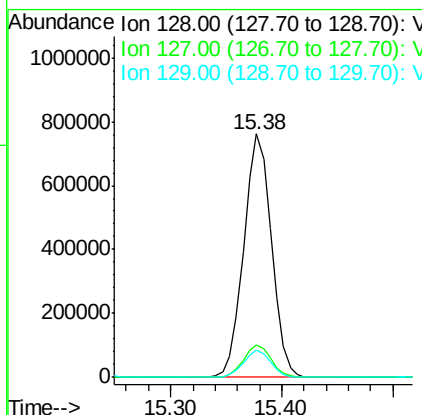
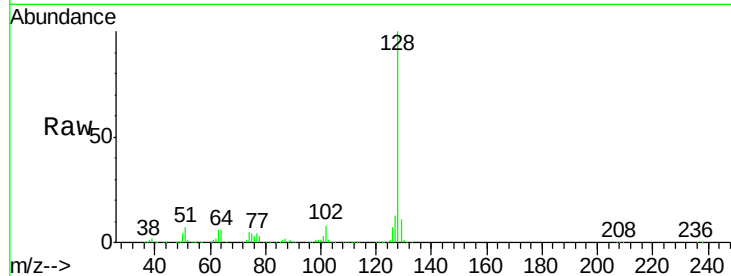
#95
Naphthalene
Concen: 172.88 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

apatel
7/17/2018 10:11:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 158.62 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003951.D
Acq: 16 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	32.3	15.8	47.4

