

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004809.D
 Acq On : 21 Aug 2018 00:45
 Operator : SY/AP
 Sample : VW0820SBS02
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Manual Integrations
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 8/21/2018 12:47:35 PM

Quant Time: Aug 21 02:03:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	622301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	961189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	909727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	487694	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	321517	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	7.88	113	324612	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
50) Toluene-d8	10.33	98	1301994	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.62	95	467435	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.01	85	72682	17.63	ug/l	93
3) Chloromethane	2.21	50	104162	19.33	ug/l	98
4) Vinyl Chloride	2.37	62	171659	21.64	ug/l	98
5) Bromomethane	2.78	94	107981	22.04	ug/l	98
6) Chloroethane	2.93	64	103080	21.53	ug/l	98
7) Trichlorofluoromethane	3.25	101	85105	22.77	ug/l	94
8) Diethyl Ether	3.68	74	74057	21.92	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136375	21.19	ug/l	100
10) Methyl Iodide	4.26	142	212861	21.78	ug/l	99
11) Tert butyl alcohol	5.23	59	34899	103.83	ug/l	96
12) 1,1-Dichloroethene	4.04	96	132832	20.71	ug/l	96
13) Acrolein	3.90	56	49912	110.66	ug/l	99
14) Allyl chloride	4.67	41	200303	20.58	ug/l	99
15) Acrylonitrile	5.37	53	152231	107.43	ug/l	99
16) Acetone	4.14	43	146889	95.64	ug/l	98
17) Carbon Disulfide	4.37	76	436988	20.73	ug/l	99
18) Methyl Acetate	4.68	43	72885	22.15	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	183513	22.04	ug/l	94
20) Methylene Chloride	4.91	84	167433	21.41	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	144514	21.18	ug/l	97
22) Diisopropyl ether	6.32	45	426655	22.81	ug/l	97
23) Vinyl Acetate	6.26	43	1122957	106.13	ug/l	100
24) 1,1-Dichloroethane	6.21	63	258989	21.31	ug/l	99
25) 2-Butanone	7.18	43	225298	102.96	ug/l	100
26) 2,2-Dichloropropane	7.17	77	147040	20.94	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	156462	21.30	ug/l	99
28) Bromochloromethane	7.51	49	108208	21.14	ug/l	100
29) Tetrahydrofuran	7.54	42	119296	106.91	ug/l	98
30) Chloroform	7.68	83	254087	21.25	ug/l	97
31) Cyclohexane	7.96	56	241565	20.55	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	203865	21.51	ug/l	99
36) 1,1-Dichloropropene	8.09	75	202783	20.48	ug/l	100
37) Ethyl Acetate	7.26	43	83696	21.20	ug/l	99
38) Carbon Tetrachloride	8.07	117	186941	20.51	ug/l	99

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Quant Time: Aug 21 02:03:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	245104	19.79	ug/l	99
40) Benzene	8.33	78	604671	21.01	ug/l	100
41) Methacrylonitrile	7.49	41	50236	22.43	ug/l	99
42) 1,2-Dichloroethane	8.40	62	154565	20.95	ug/l	99
43) Isopropyl Acetate	8.43	43	144947	20.44	ug/l	98
44) Trichloroethene	9.10	130	149017	20.40	ug/l	100
45) 1,2-Dichloropropane	9.37	63	146971	20.88	ug/l	98
46) Dibromomethane	9.46	93	72355	20.75	ug/l	98
47) Bromodichloromethane	9.65	83	173224	20.80	ug/l	99
48) Methyl methacrylate	9.44	41	70599	21.22	ug/l	97
49) 1,4-Dioxane	9.48	88	22988	451.20	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	505716	105.54	ug/l	100
52) Toluene	10.39	92	371851	21.55	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	172717	20.58	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	207970	20.79	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	107036	21.59	ug/l	100
56) Ethyl methacrylate	10.65	69	121476	20.62	ug/l	97
57) 1,3-Dichloropropane	10.94	76	184438	21.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	294660	107.64	ug/l	99
59) 2-Hexanone	10.98	43	339538	104.58	ug/l	99
60) Dibromochloromethane	11.13	129	116848	21.01	ug/l	98
61) 1,2-Dibromoethane	11.24	107	99576	21.02	ug/l	100
64) Tetrachloroethene	10.87	164	131463	21.14	ug/l	99
65) Chlorobenzene	11.66	112	409424	20.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	137146	20.74	ug/l	97
67) Ethyl Benzene	11.74	91	691715	20.84	ug/l	99
68) m/p-Xylenes	11.85	106	544122	42.13	ug/l	98
69) o-Xylene	12.17	106	251717	21.05	ug/l	99
70) Styrene	12.19	104	427293	21.28	ug/l	100
71) Bromoform	12.35	173	72660	20.82	ug/l #	99
73) Isopropylbenzene	12.47	105	685925	20.67	ug/l	100
74) N-amyl acetate	12.28	43	139890	20.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	130003	21.15	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	84397m	19.63	ug/l	
77) Bromobenzene	12.76	156	167004	20.80	ug/l	99
78) n-propylbenzene	12.81	91	857580	21.18	ug/l	99
79) 2-Chlorotoluene	12.90	91	494069	21.17	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	605256	21.47	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	35225	19.04	ug/l	97
82) 4-Chlorotoluene	12.99	91	523606	21.12	ug/l	100
83) tert-Butylbenzene	13.21	119	499362	20.71	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	624420	21.53	ug/l	99
85) sec-Butylbenzene	13.39	105	750730	20.86	ug/l	100
86) p-Isopropyltoluene	13.51	119	660996	21.10	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	341006	20.88	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	340362	20.84	ug/l	99
89) n-Butylbenzene	13.83	91	614113	20.28	ug/l	100
90) Hexachloroethane	14.10	117	115283	20.19	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	303051	20.65	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19963	20.78	ug/l	95

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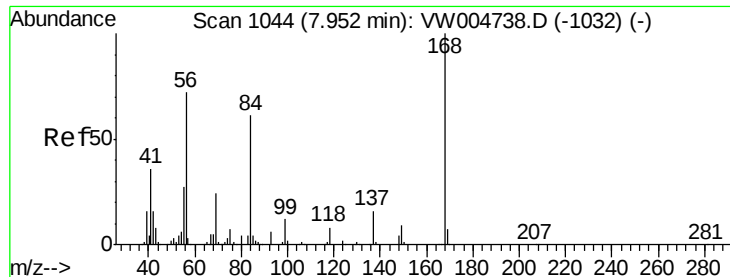
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	211462	20.38	ug/l	99
94) Hexachlorobutadiene	15.24	225	129996	20.41	ug/l	99
95) Naphthalene	15.38	128	358769	20.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	190814	20.74	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion:168 Resp: 622301

Ion Ratio Lower Upper

168 100

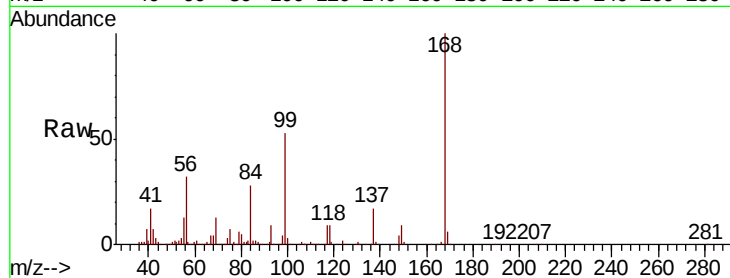
99 52.9 41.0 61.4

Manual Integrations

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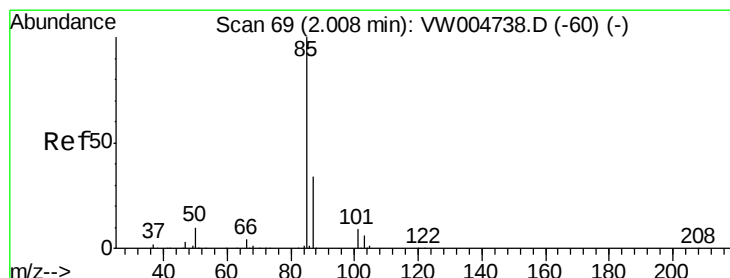
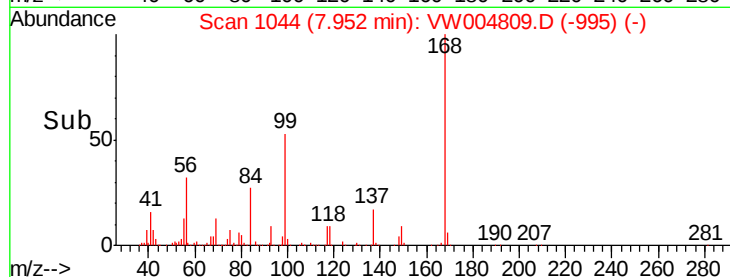
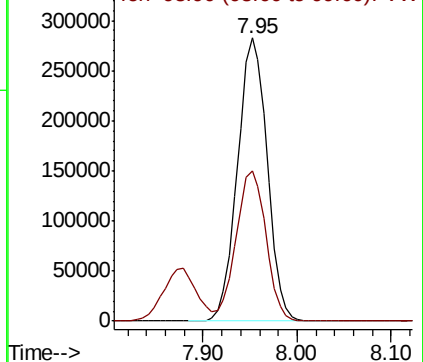
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.63 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004809.D

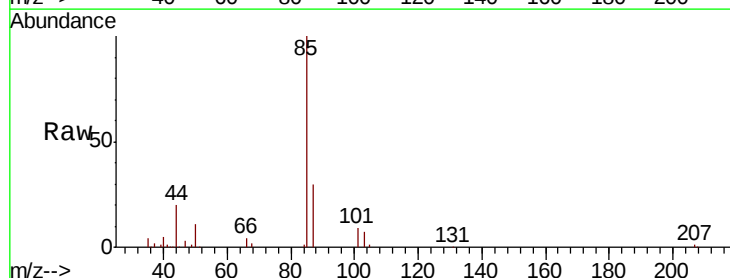
Acq: 21 Aug 2018 00:45

Tgt Ion: 85 Resp: 72682

Ion Ratio Lower Upper

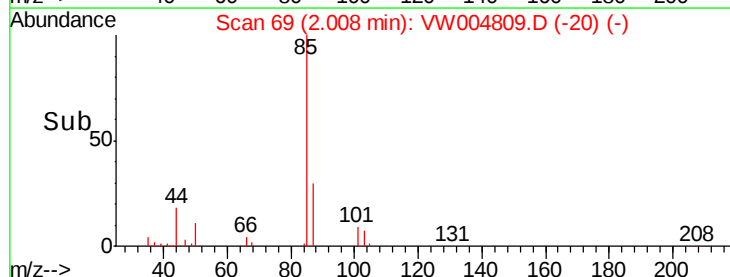
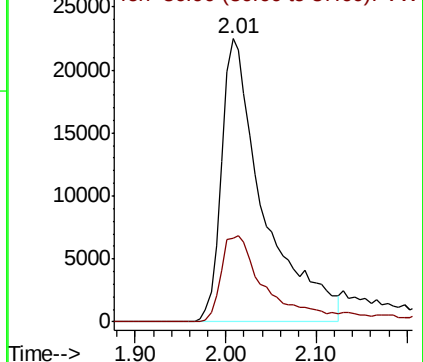
85 100

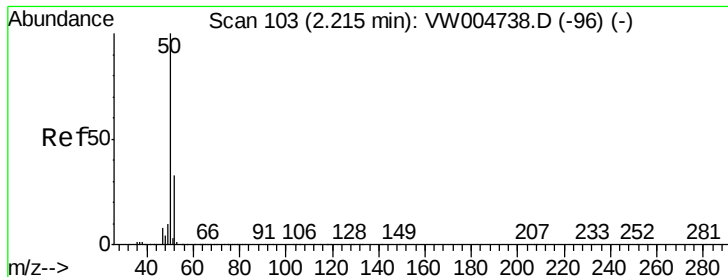
87 29.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.33 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 50 Resp: 104162

Ion Ratio Lower Upper

50 100

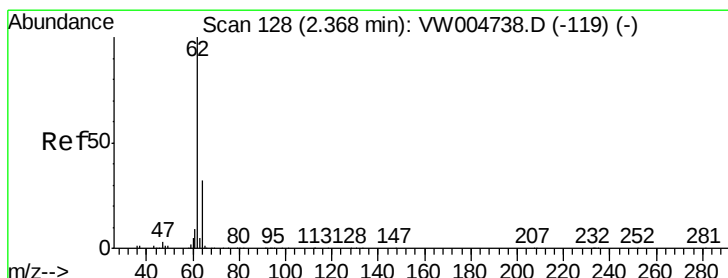
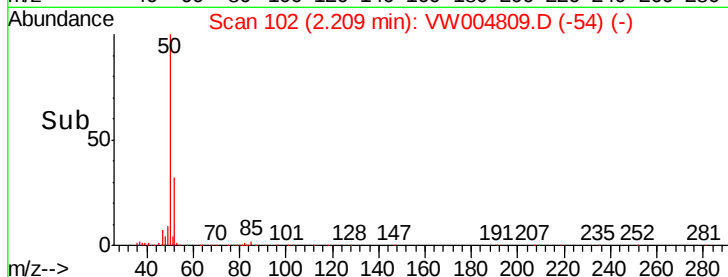
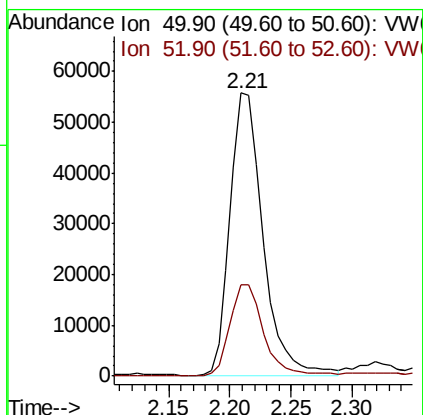
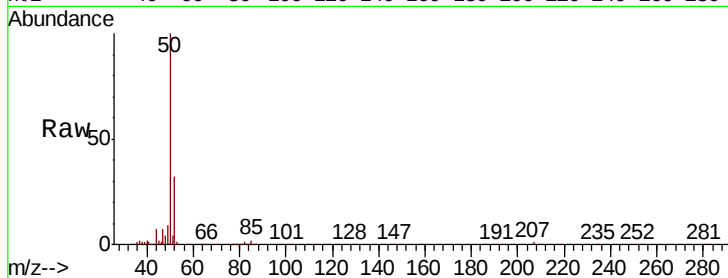
52 32.4 26.7 40.1

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#4

Vinyl Chloride

Concen: 21.64 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004809.D

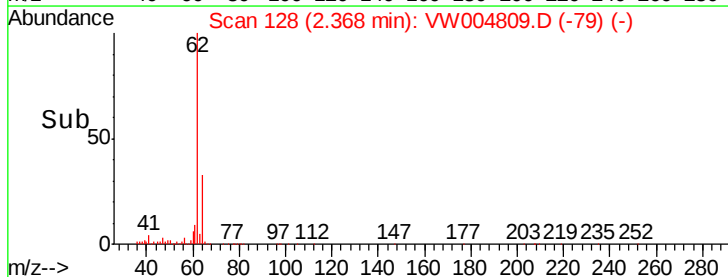
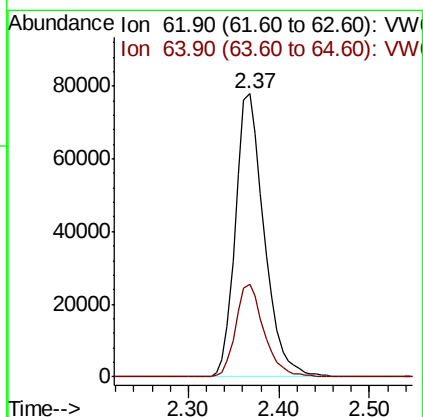
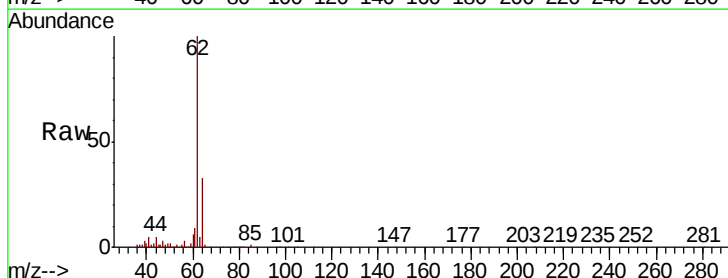
Acq: 21 Aug 2018 00:45

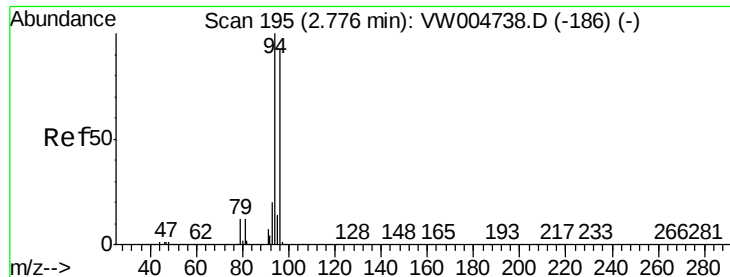
Tgt Ion: 62 Resp: 171659

Ion Ratio Lower Upper

62 100

64 32.7 25.2 37.8





#5

Bromomethane

Concen: 22.04 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 94 Resp: 107981

Ion Ratio Lower Upper

94 100

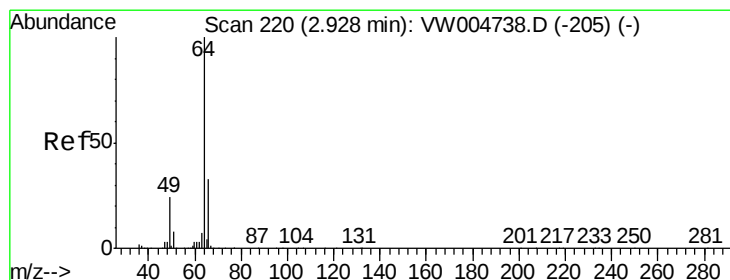
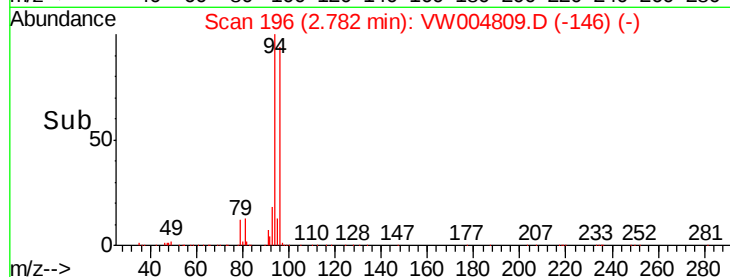
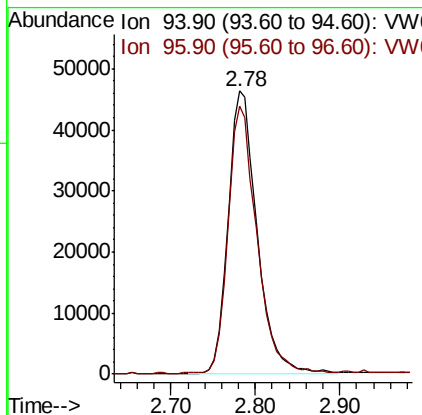
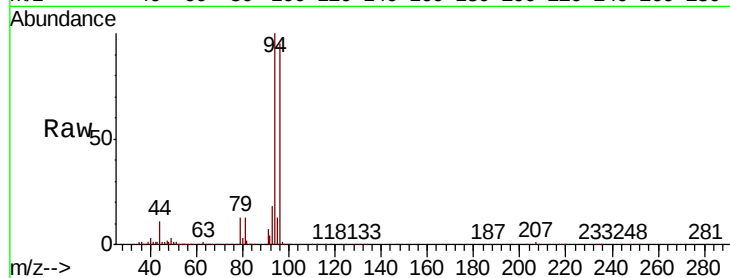
96 94.4 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 21.53 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004809.D

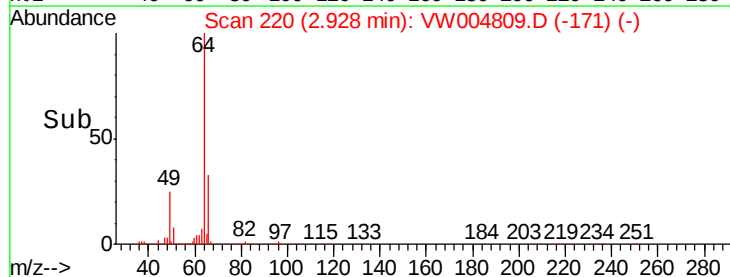
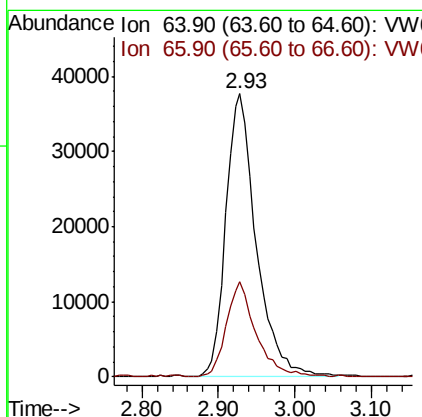
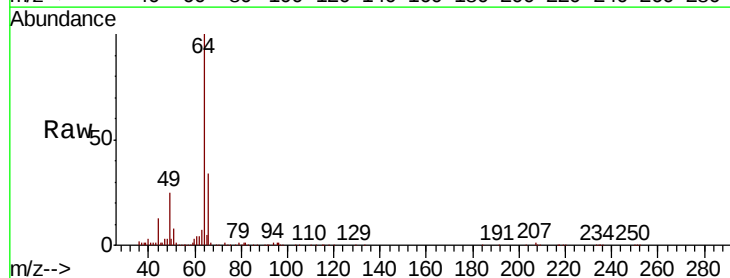
Acq: 21 Aug 2018 00:45

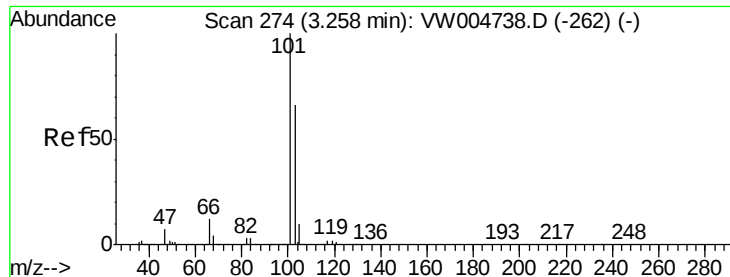
Tgt Ion: 64 Resp: 103080

Ion Ratio Lower Upper

64 100

66 33.6 26.1 39.1





#7

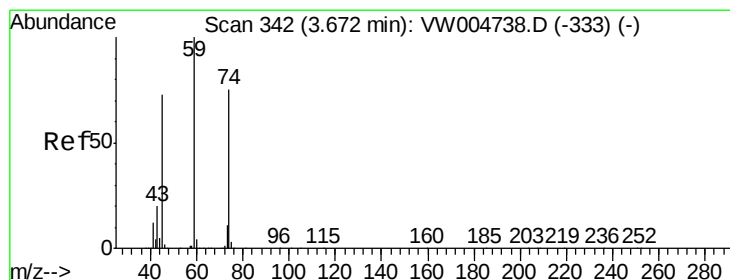
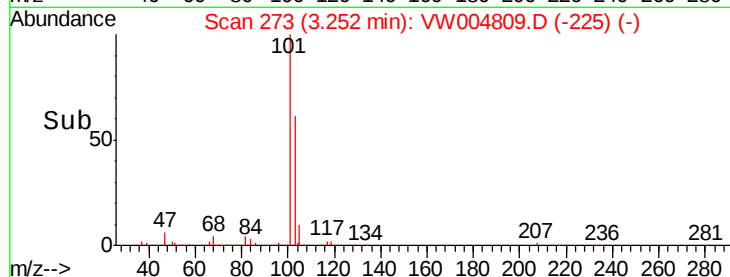
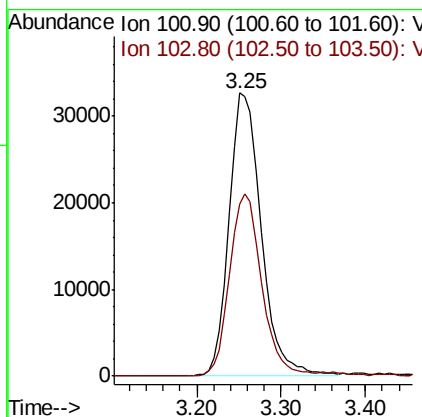
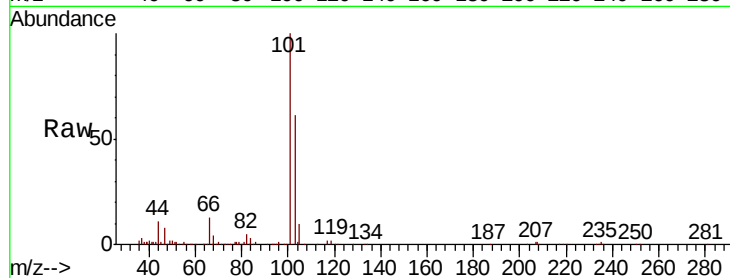
Trichlorofluoromethane
 Concen: 22.77 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	52.5	78.7

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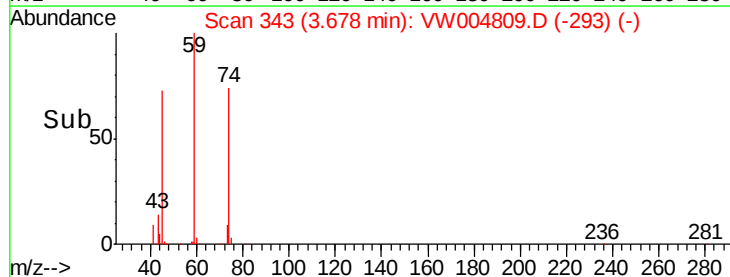
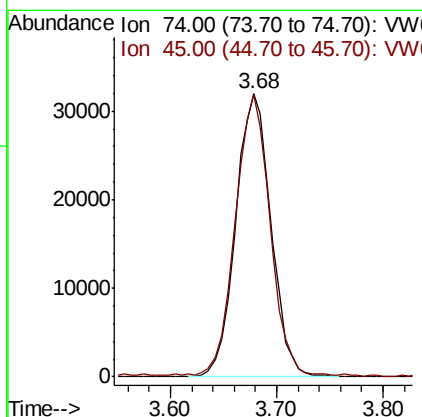
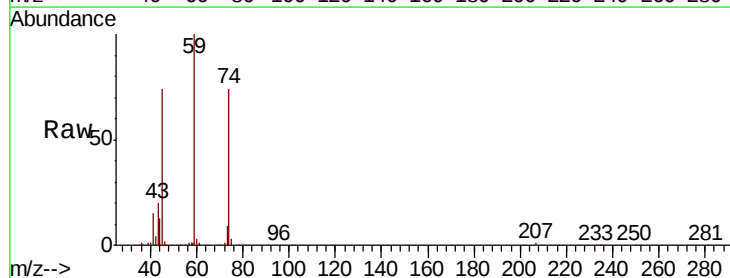
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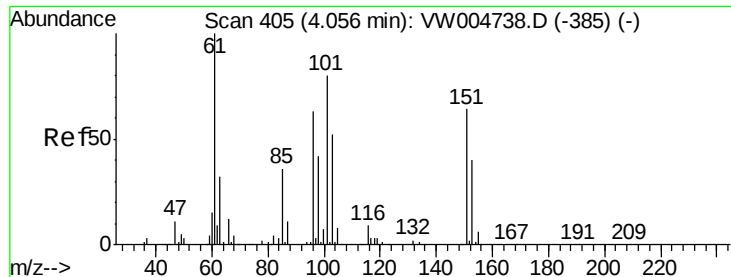


#8

Diethyl Ether
 Concen: 21.92 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.19 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

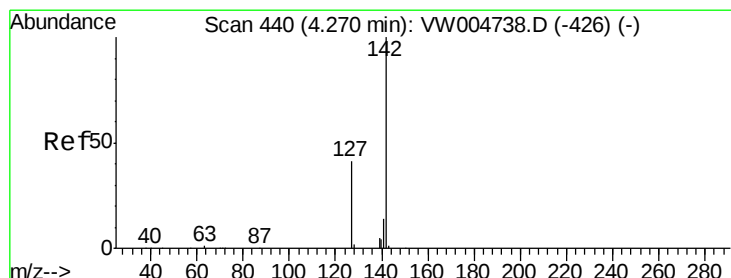
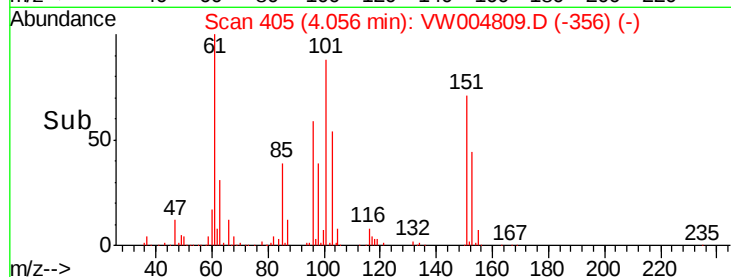
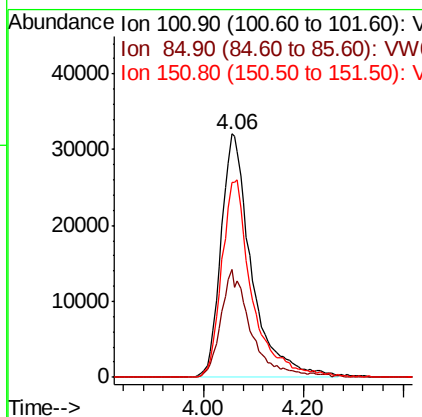
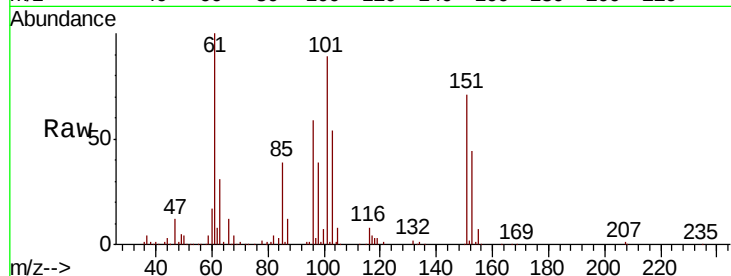
ClientSampleId :

VW0820SBS02

Tot Ion:	101	Resp:	136375
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.9	50.9
151	79.0	63.4	95.2

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#10

Methyl Iodide

Concen: 21.78 ug/l

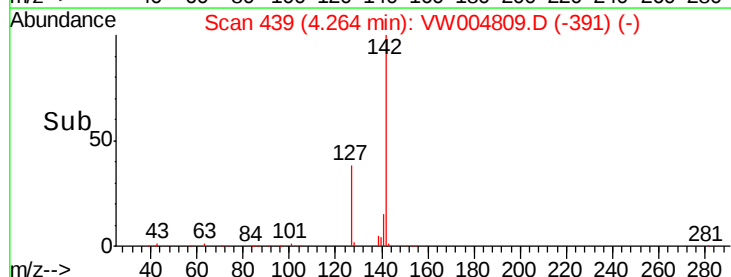
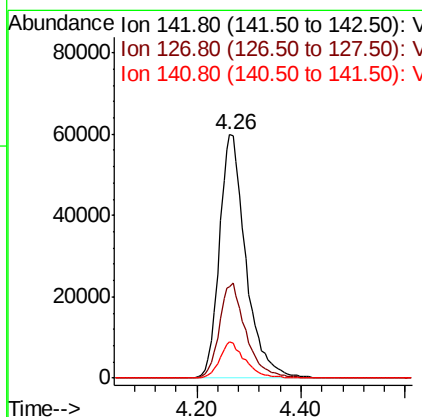
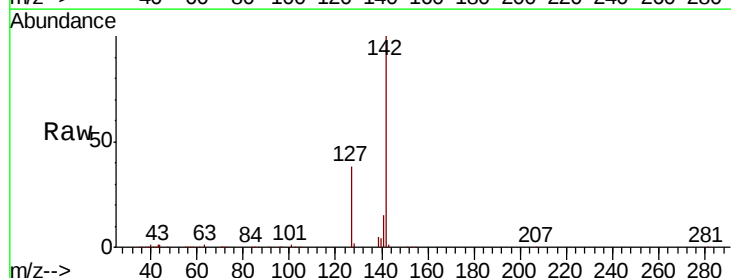
RT: 4.26 min Scan# 439

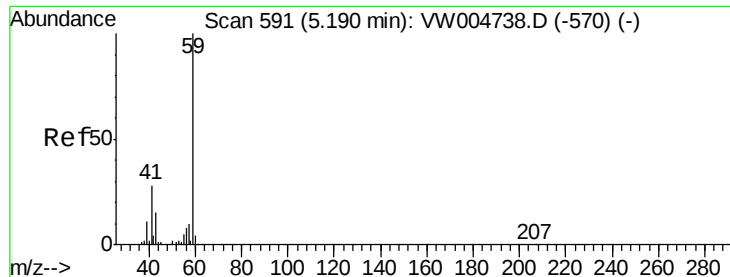
Delta R.T. -0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion:	142	Resp:	212861
Ion Ratio	Lower	Upper	
142	100		
127	39.2	32.1	48.1
141	14.3	11.7	17.5





#11

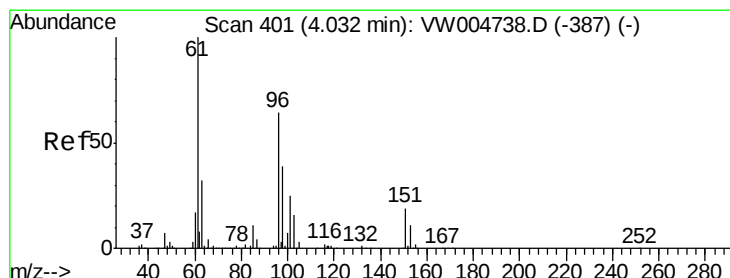
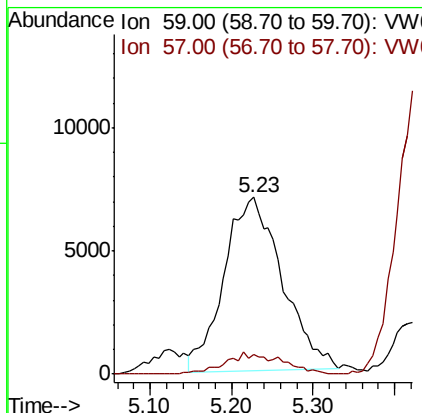
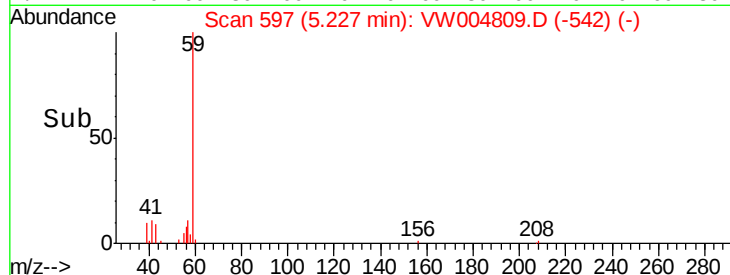
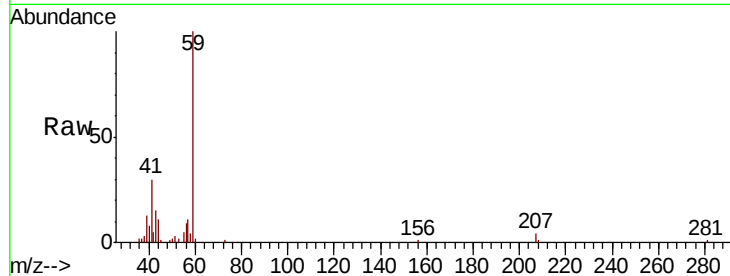
Tert butyl alcohol
Concen: 103.83 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.04 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.4	12.6

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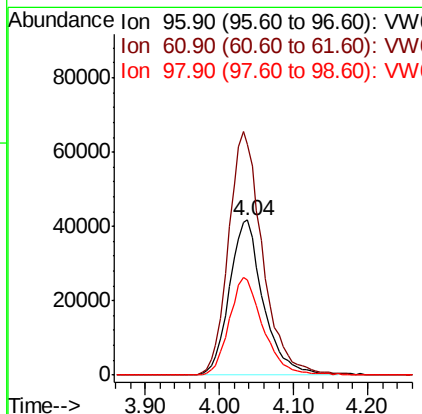
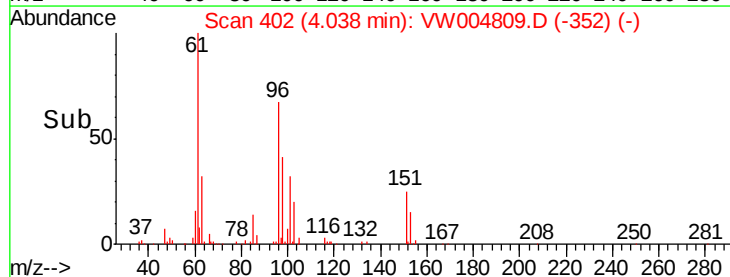
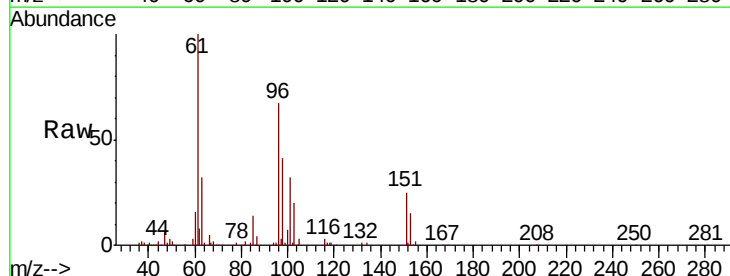
apatel
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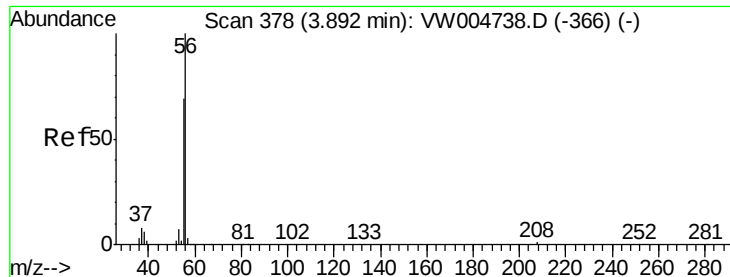


#12

1,1-Dichloroethene
Concen: 20.71 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.6	125.6	188.4
98	61.7	49.4	74.0





#13

Acrolein

Concen: 110.66 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 56 Resp: 49912

Ion Ratio Lower Upper

56 100

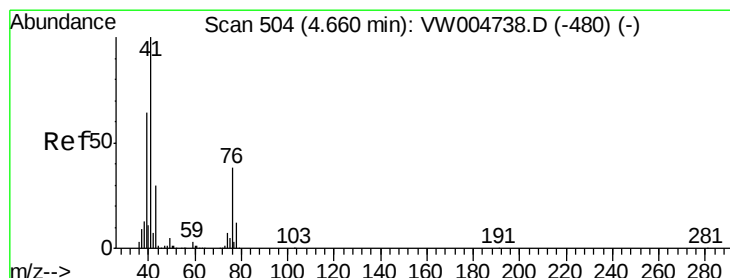
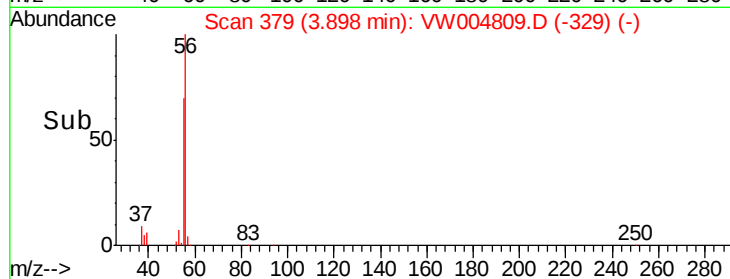
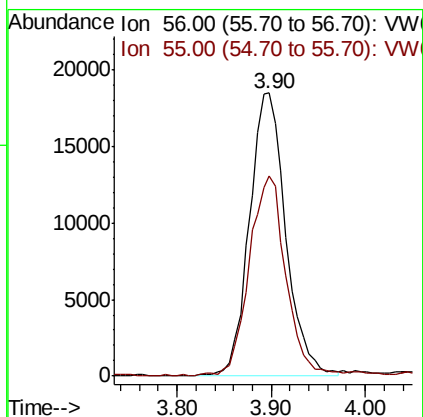
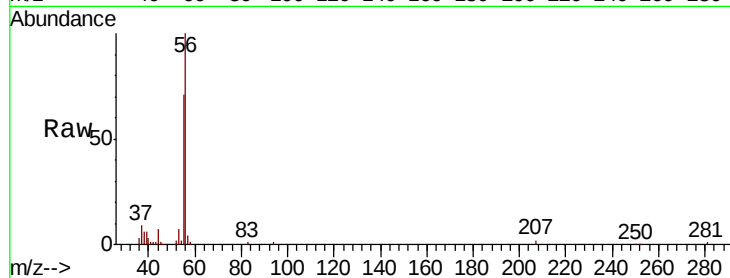
55 71.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.58 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

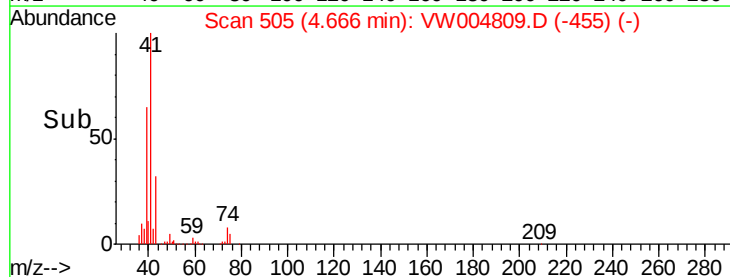
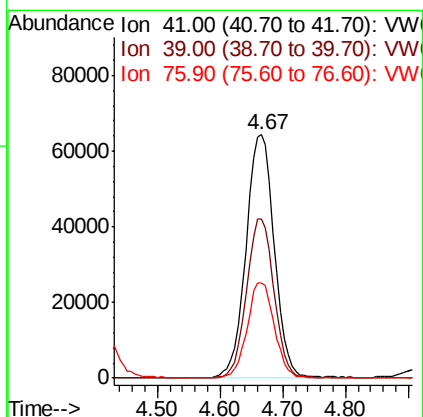
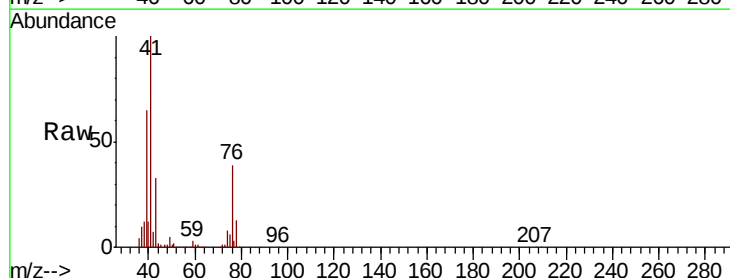
Tgt Ion: 41 Resp: 200303

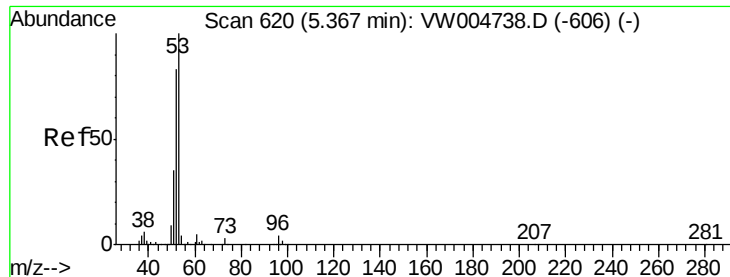
Ion Ratio Lower Upper

41 100

39 63.6 50.0 75.0

76 37.7 29.8 44.6





#15

Acrylonitrile

Concen: 107.43 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

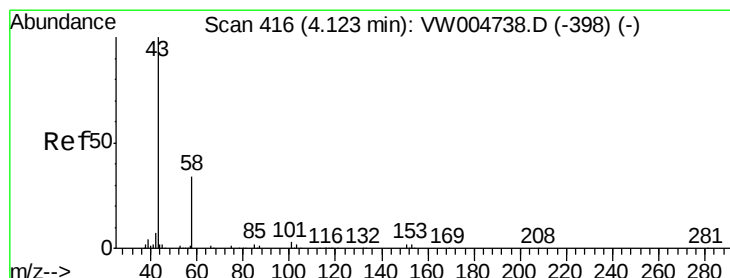
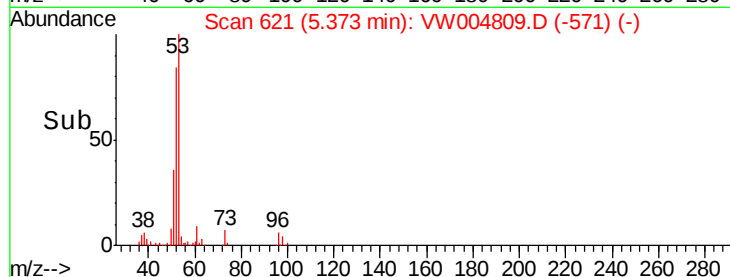
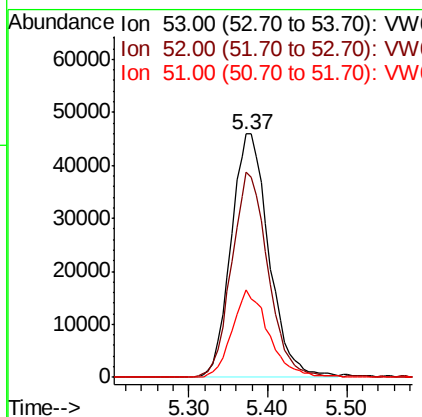
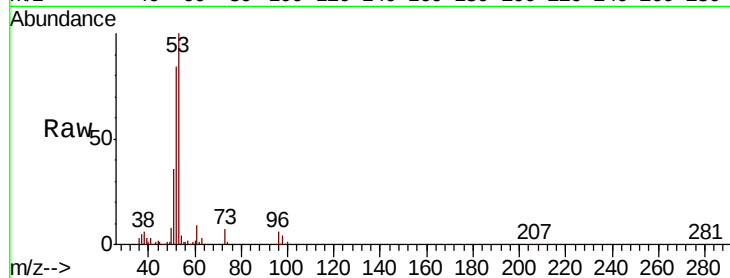
ClientSampleId :

VW0820SBS02

Tot Ion:	53	Resp:	152231
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.8	98.6
51	34.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 95.64 ug/l

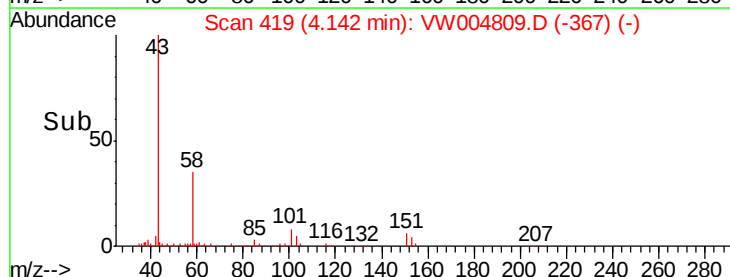
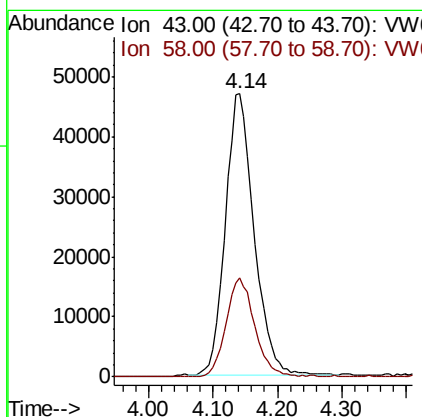
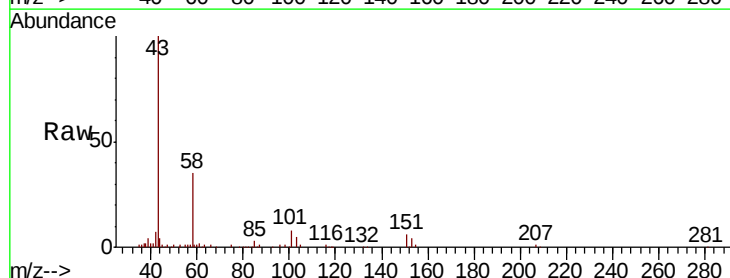
RT: 4.14 min Scan# 419

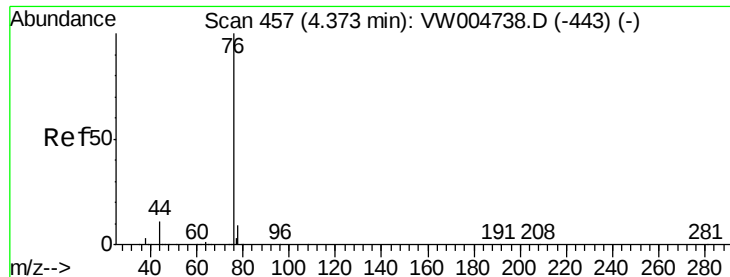
Delta R.T. 0.02 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion:	43	Resp:	146889
Ion Ratio	Lower	Upper	
43	100		
58	35.0	27.3	40.9





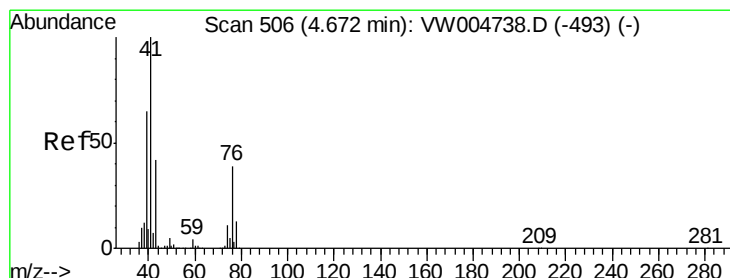
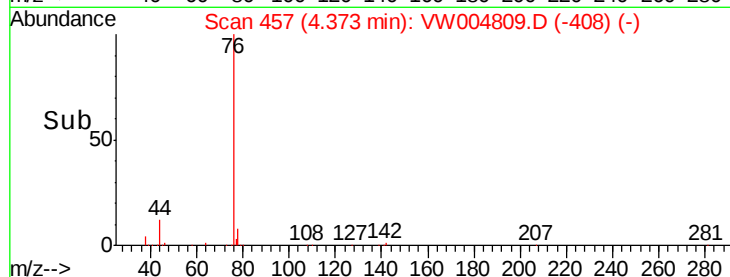
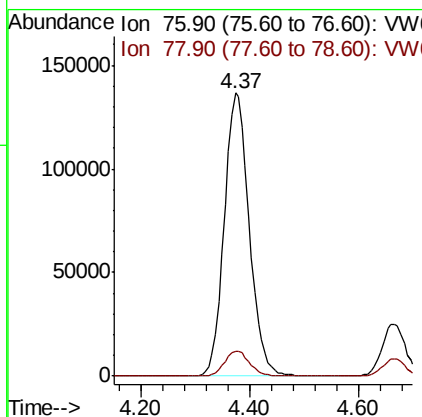
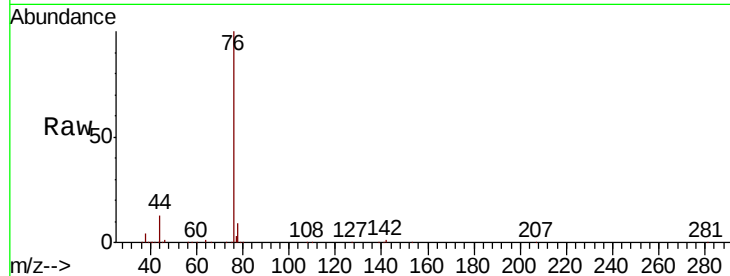
#17
Carbon Disulfide
Concen: 20.73 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

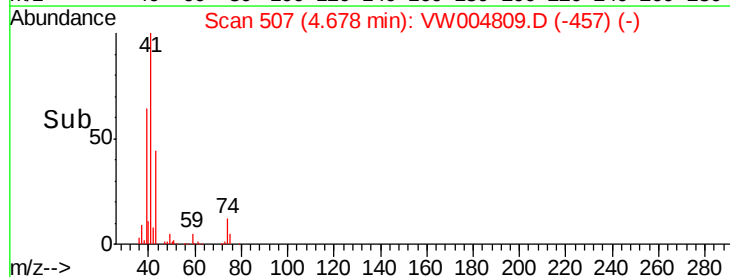
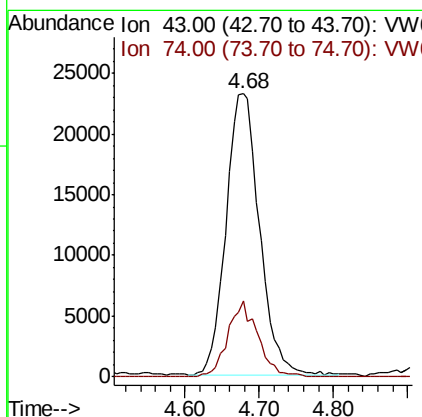
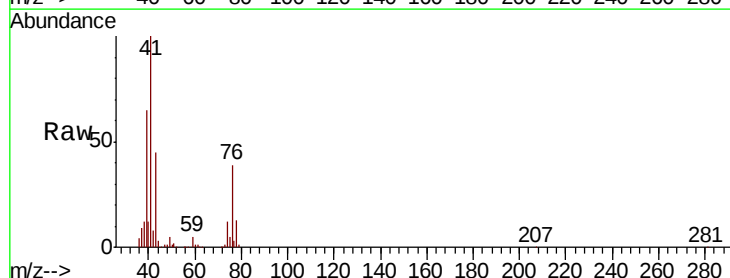
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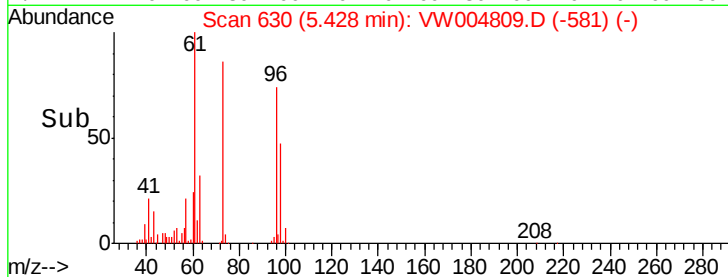
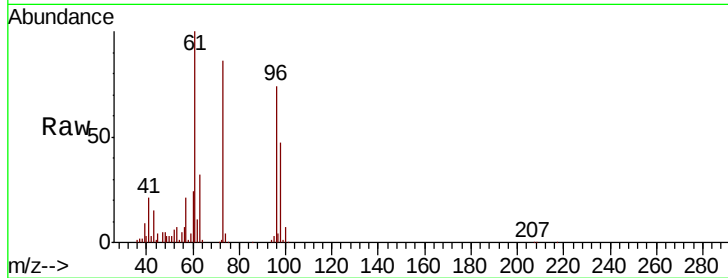
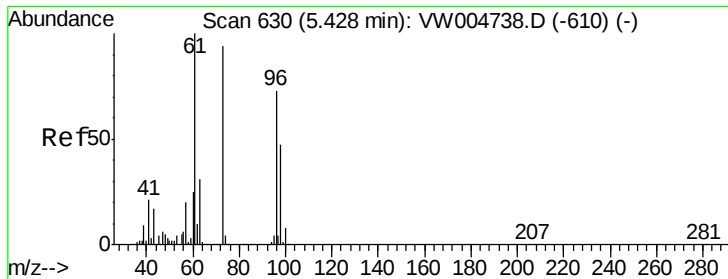
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#18
Methyl Acetate
Concen: 22.15 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8





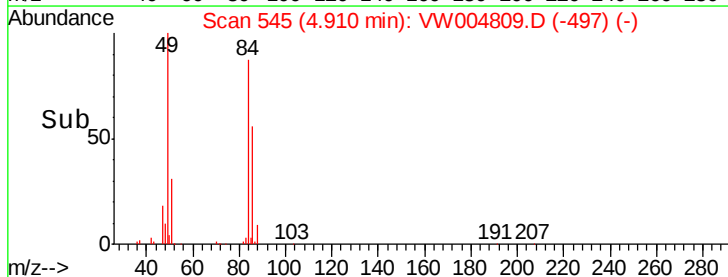
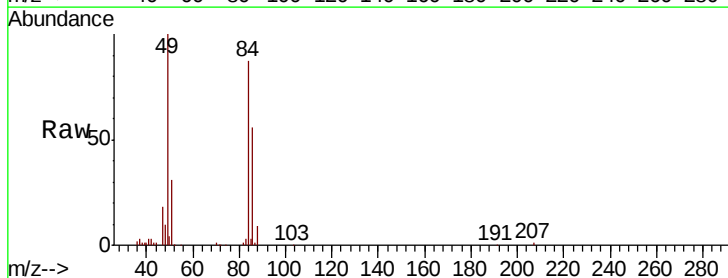
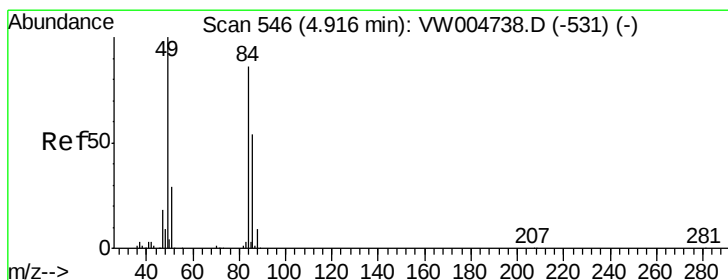
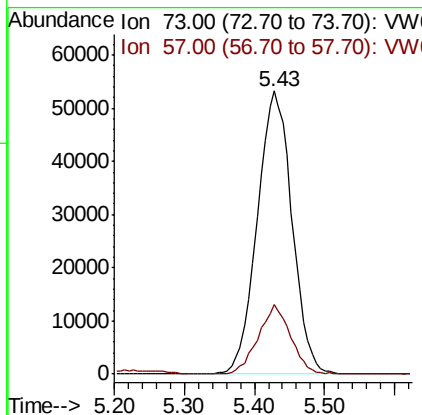
#19
Methvl tert-butvl Ether
Concen: 22.04 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tot Ion: 73 Resp: 183513
Ion Ratio Lower Upper
73 100
57 24.4 17.3 25.9

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

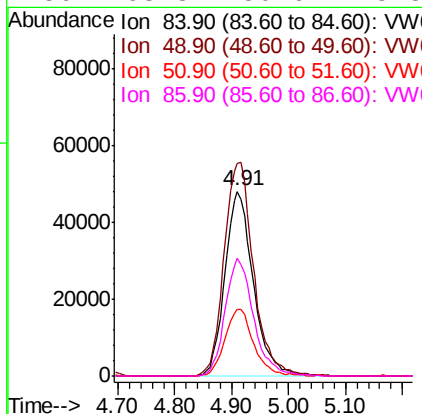
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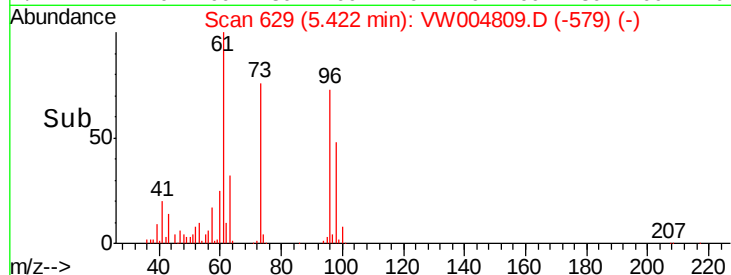
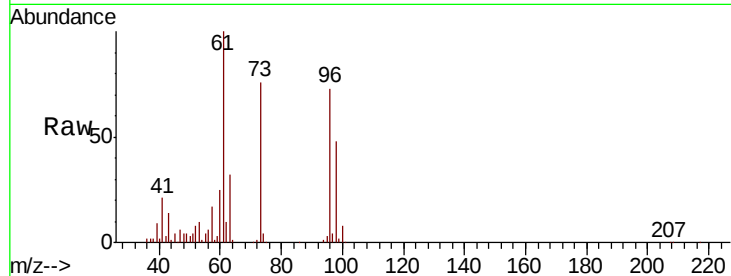
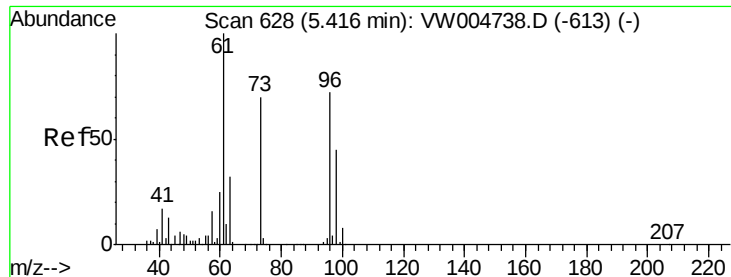
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#20
Methylene Chloride
Concen: 21.41 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion: 84 Resp: 167433
Ion Ratio Lower Upper
84 100
49 115.0 93.2 139.8
51 36.1 27.4 41.0
86 63.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 21.18 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004809.D

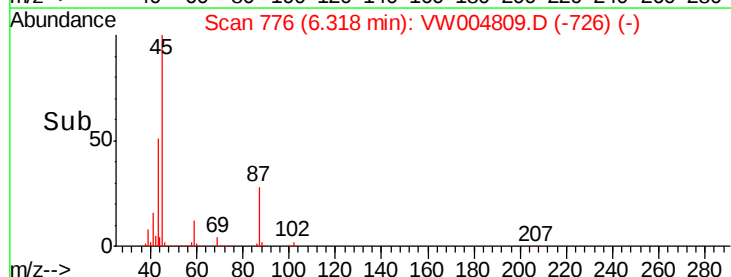
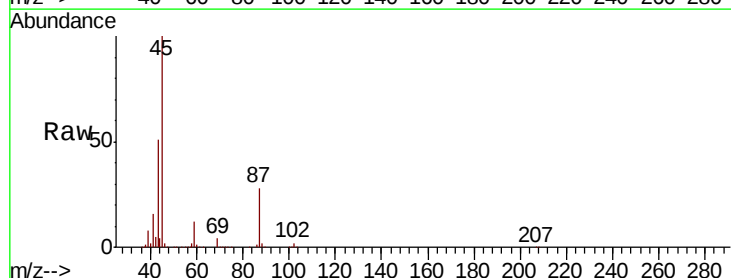
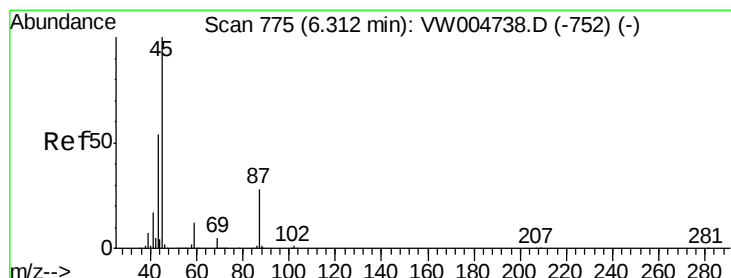
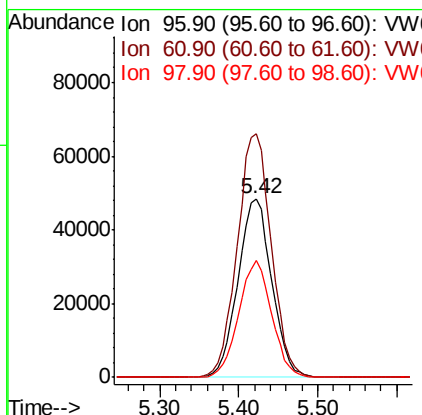
Acq: 21 Aug 2018 00:45

Tot Ion:	96	Resp:	144514
Ion	Ratio	Lower	Upper
96	100		
61	136.1	111.4	167.0
98	65.6	49.7	74.5

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

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#22

Diisopropyl ether

Concen: 22.81 ug/l

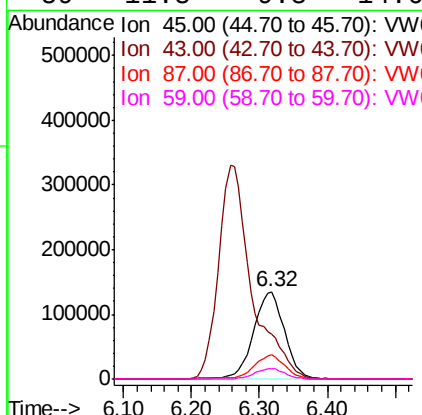
RT: 6.32 min Scan# 776

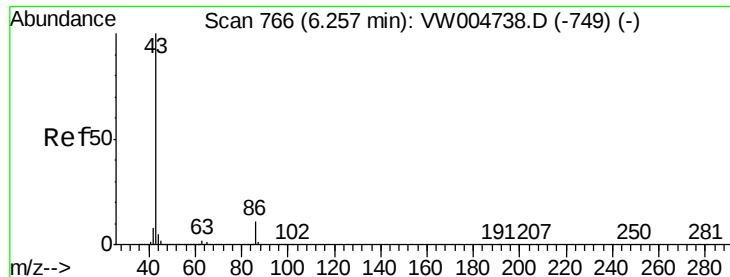
Delta R.T. 0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion:	45	Resp:	426655
Ion	Ratio	Lower	Upper
45	100		
43	50.5	43.0	64.6
87	27.6	22.2	33.4
59	11.8	9.8	14.6





#23

Vinyl Acetate

Concen: 106.13 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tot Ion: 43 Resp: 1122957

Ion Ratio Lower Upper

43 100

86 10.7 8.5 12.7

Instrument :

MSVOA_W

ClientSampled :

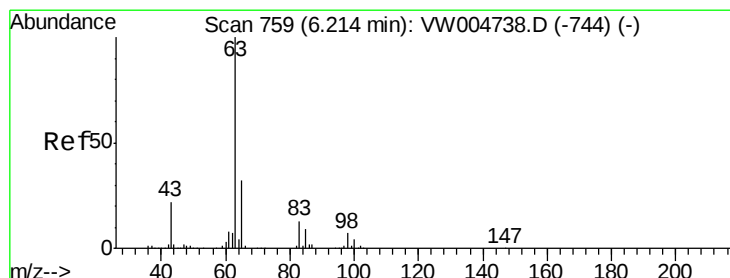
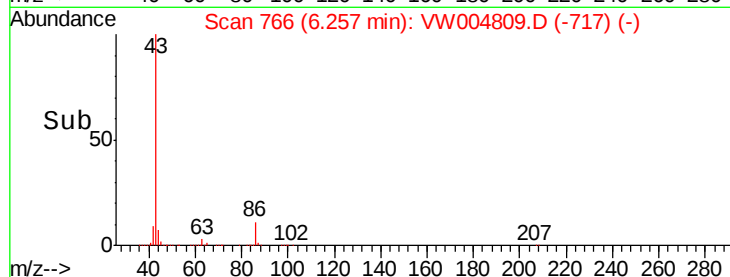
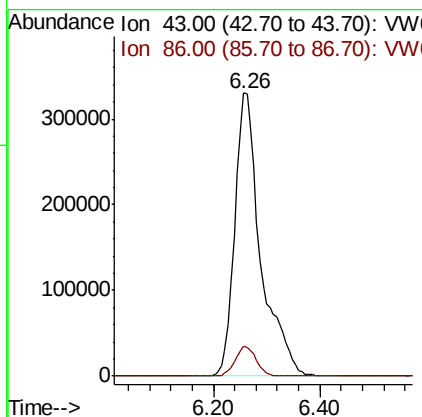
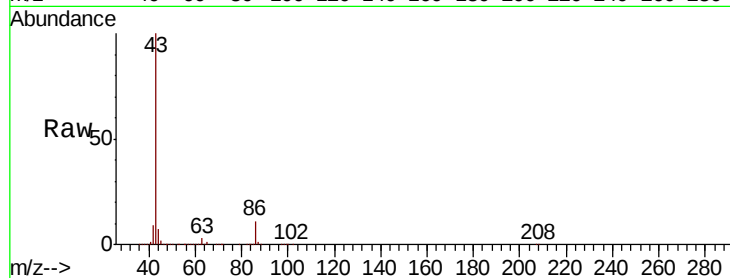
VW0820SBS02

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#24

1,1-Dichloroethane

Concen: 21.31 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

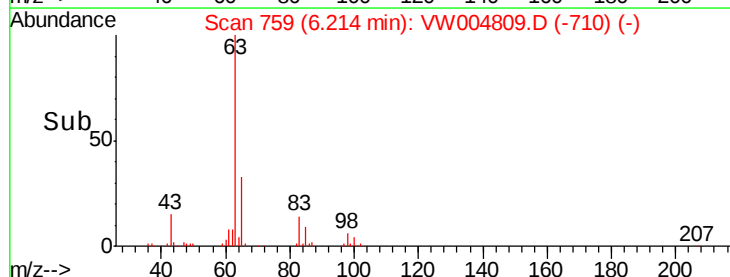
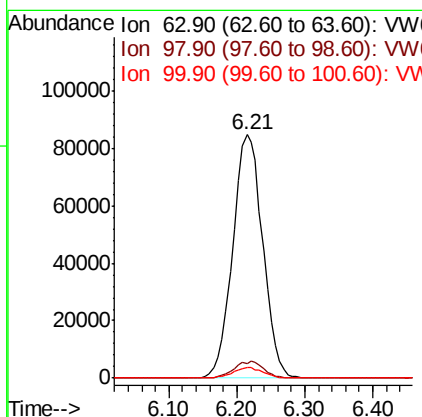
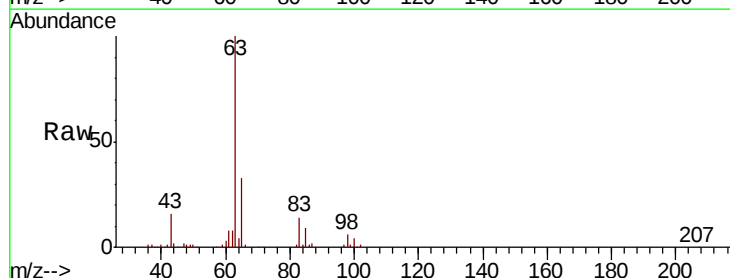
Tgt Ion: 63 Resp: 258989

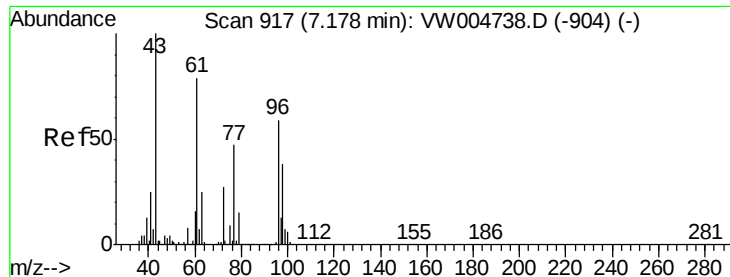
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 102.96 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 43 Resp: 225298

Ion Ratio Lower Upper

43 100

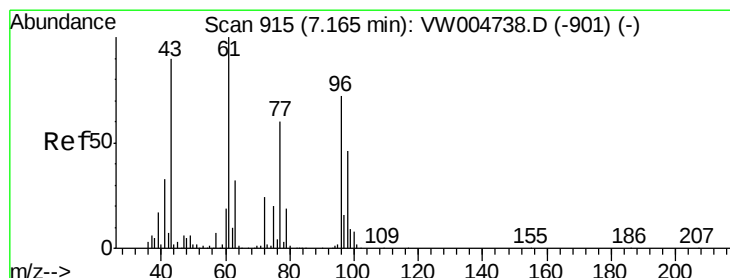
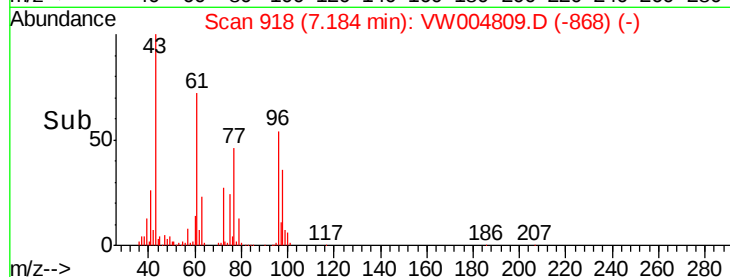
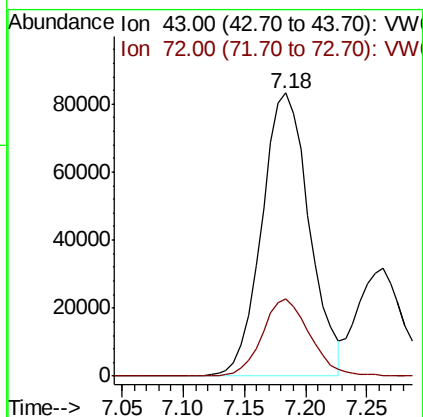
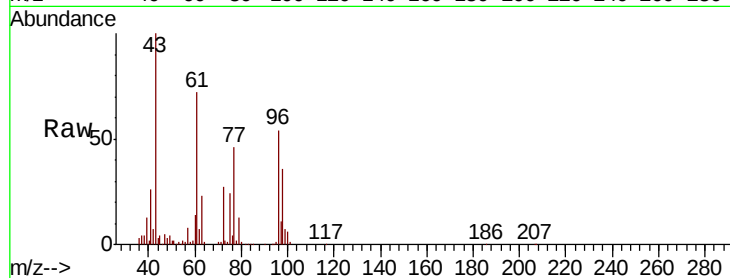
72 27.3 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 20.94 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004809.D

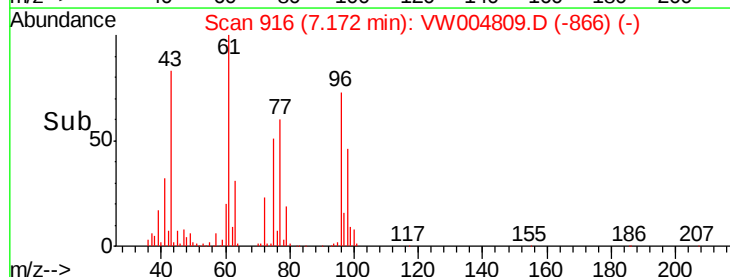
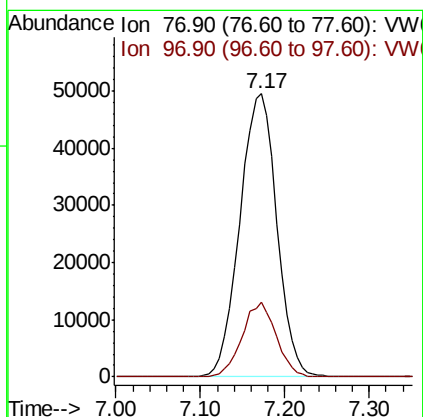
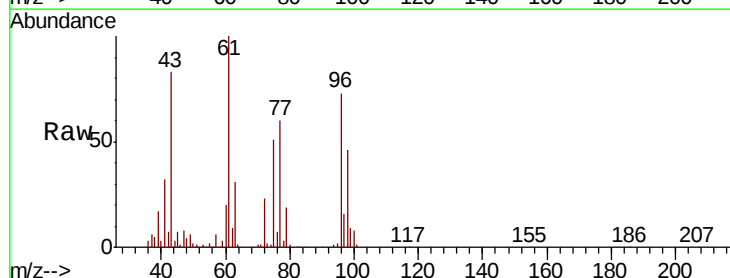
Acq: 21 Aug 2018 00:45

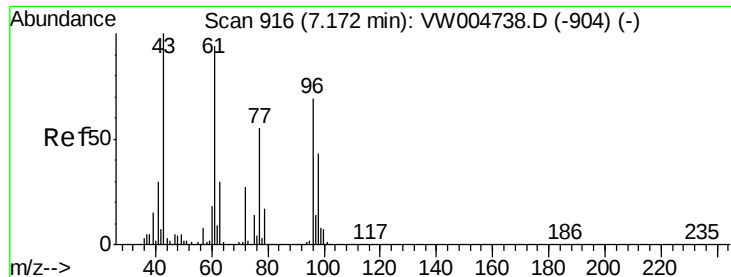
Tgt Ion: 77 Resp: 147040

Ion Ratio Lower Upper

77 100

97 24.5 12.6 37.8





#27

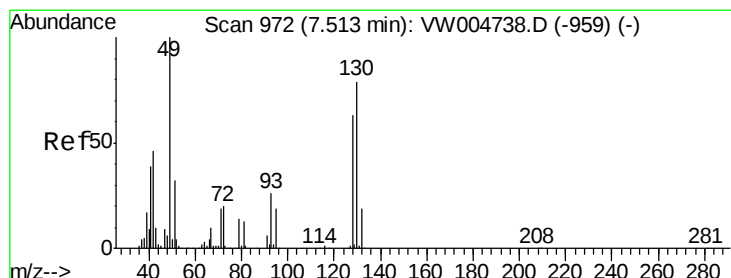
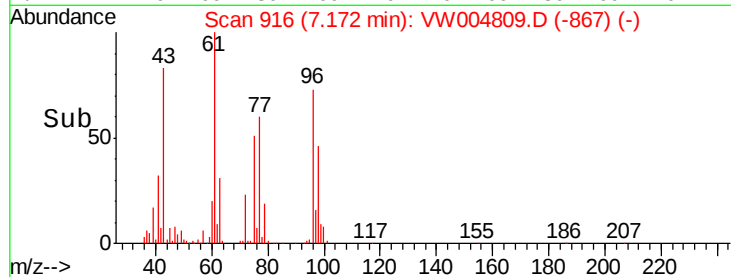
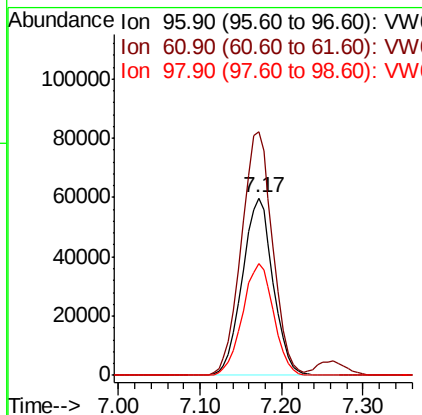
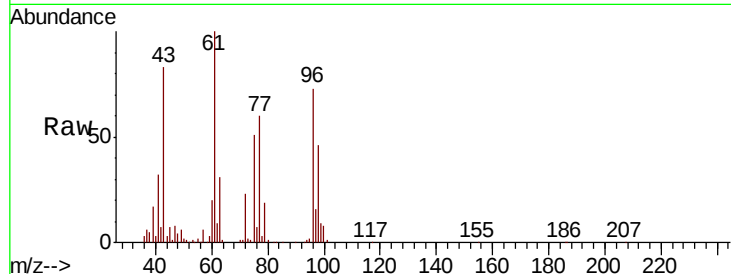
cis-1,2-Dichloroethene
 Concen: 21.30 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		156462		
61	139.8	0.0	277.6		
98	63.8	0.0	127.4		

Manual Integrations
 APPROVED

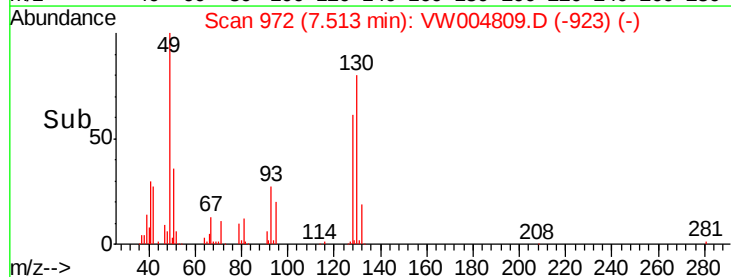
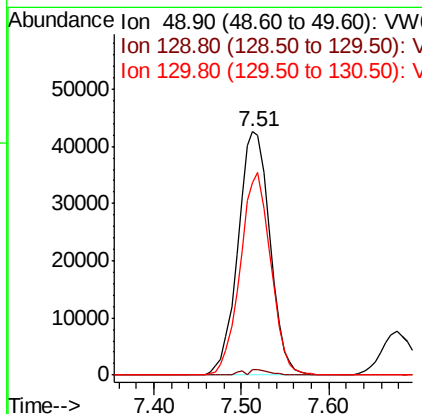
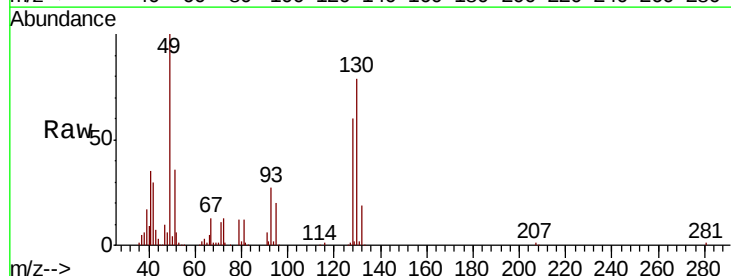
apatel
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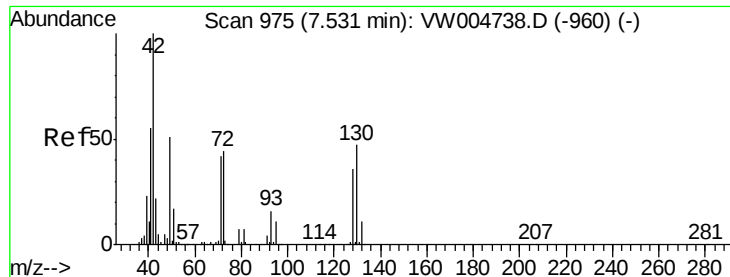


#28

Bromochloromethane
 Concen: 21.14 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		108208		
129	1.3	0.0	4.4		
130	79.3	63.7	95.5		





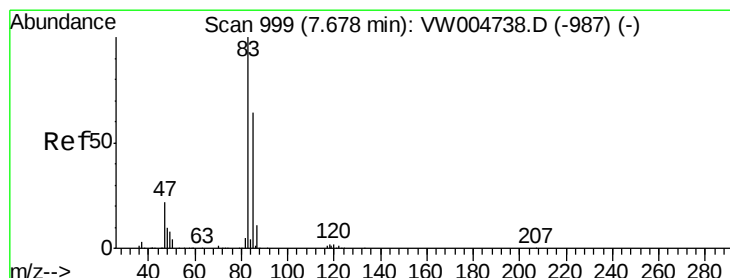
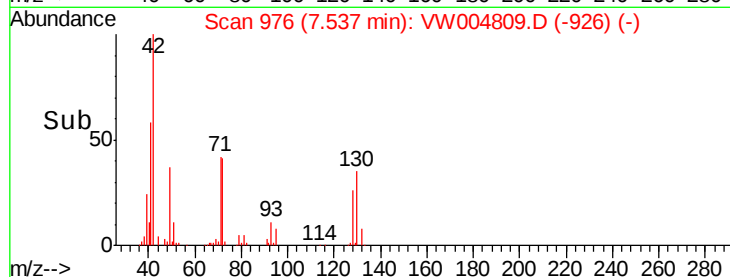
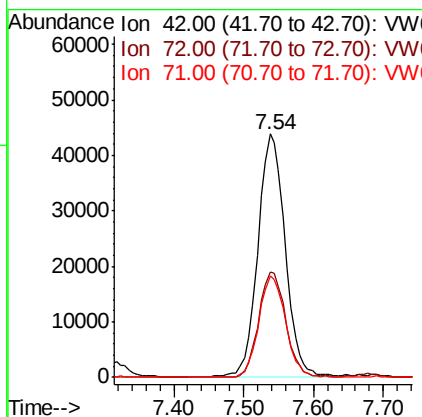
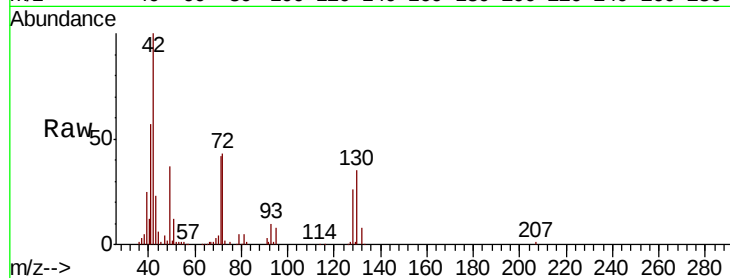
#29
Tetrahydrofuran
Concen: 106.91 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion:	42	Resp:	119296
Ion Ratio		Lower	Upper
42	100		
72	43.0	34.9	52.3
71	40.8	33.8	50.6

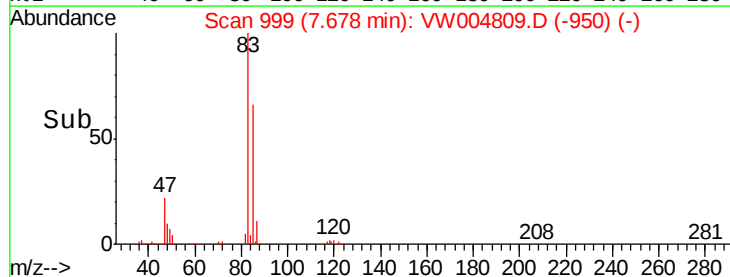
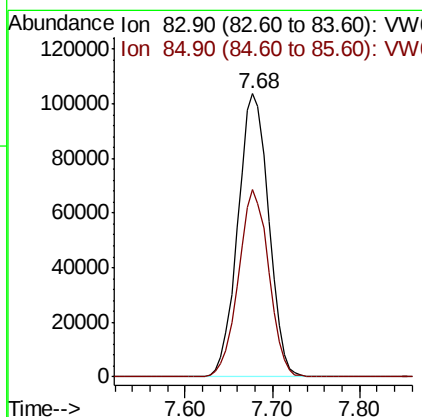
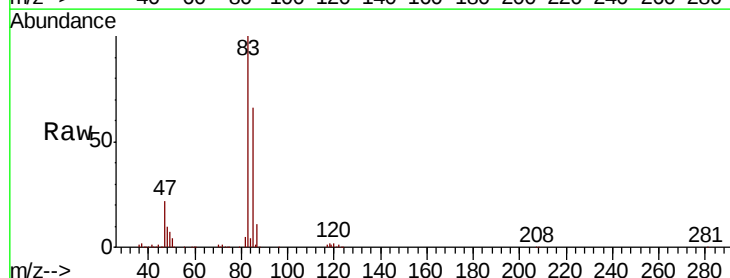
Manual Integrations
APPROVED

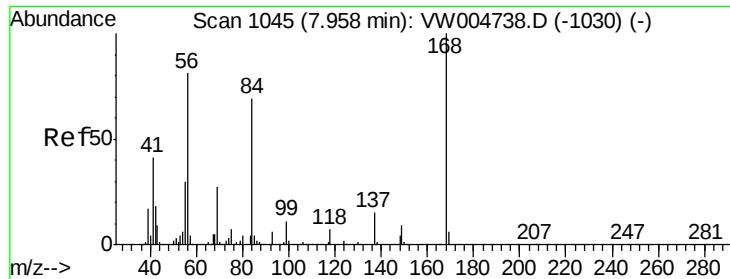
apatel
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#30
Chloroform
Concen: 21.25 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion:	83	Resp:	254087
Ion Ratio		Lower	Upper
83	100		
85	66.2	51.0	76.6





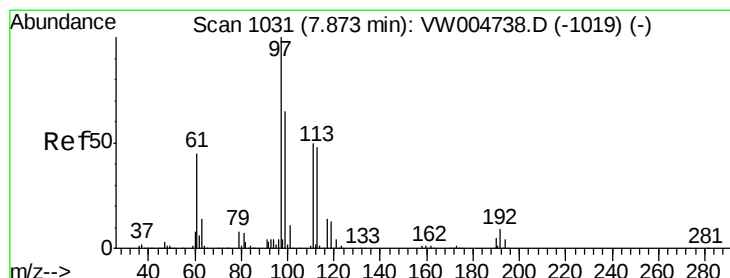
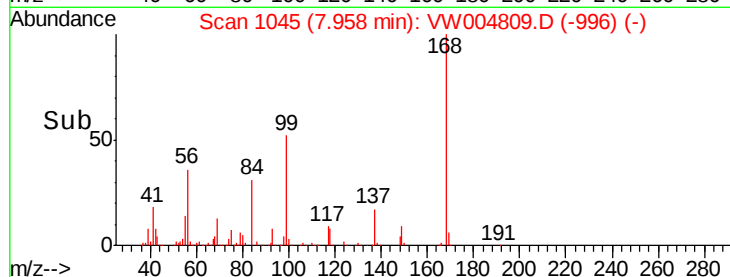
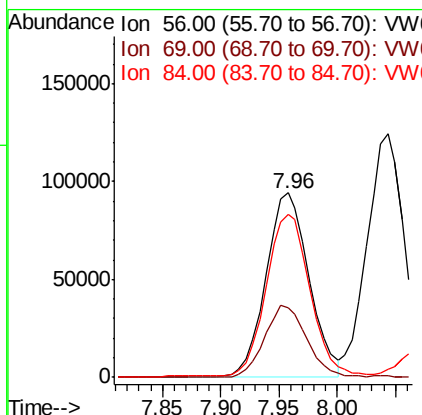
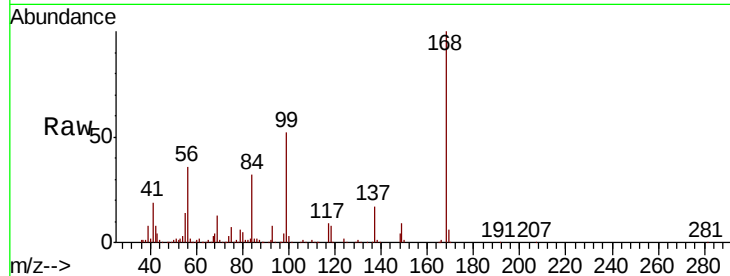
#31
Cyclohexane
Concen: 20.55 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	27.1	40.7
84	87.2	68.3	102.5

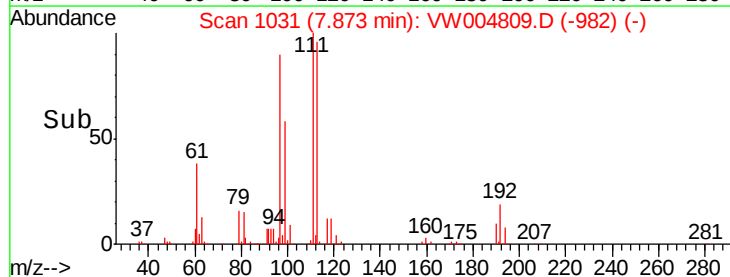
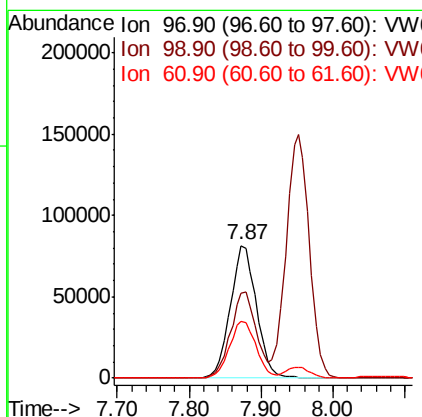
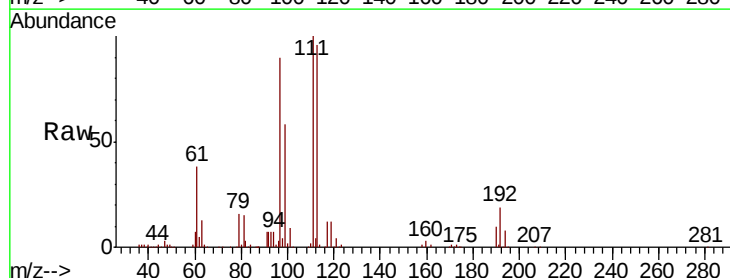
Manual Integrations
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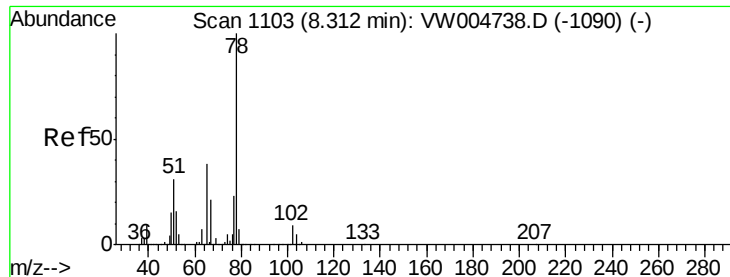
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#32
1,1,1-Trichloroethane
Concen: 21.51 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	44.0	34.4	51.6





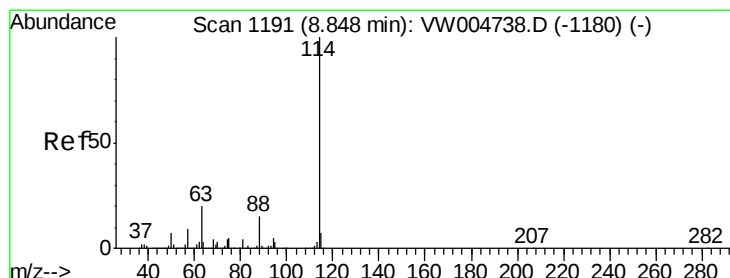
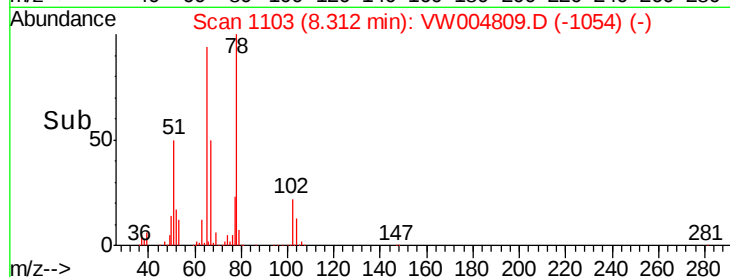
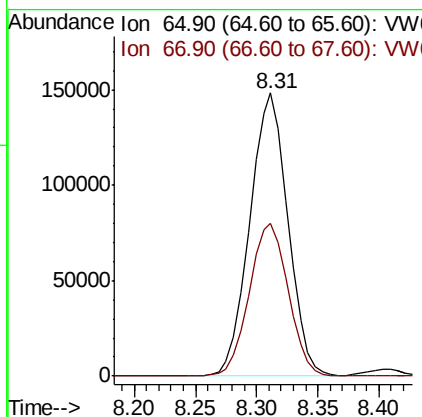
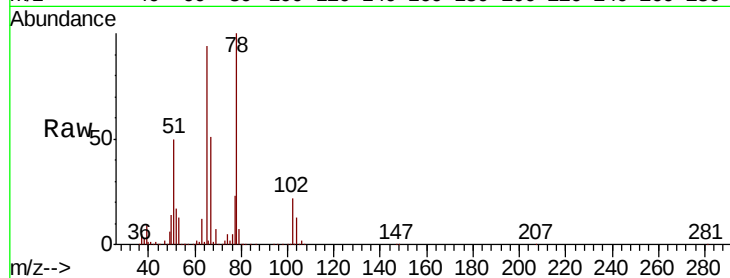
#33
 1,2-Dichloroethane-d4
 Concen: 53.44 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	109.4	

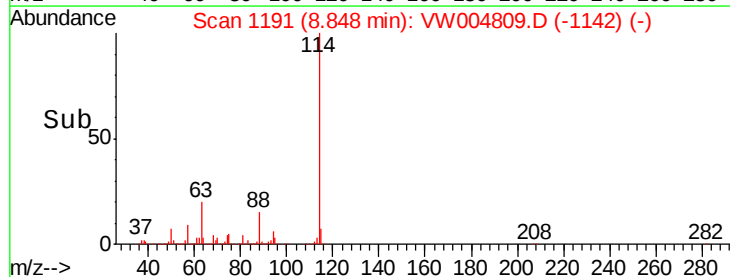
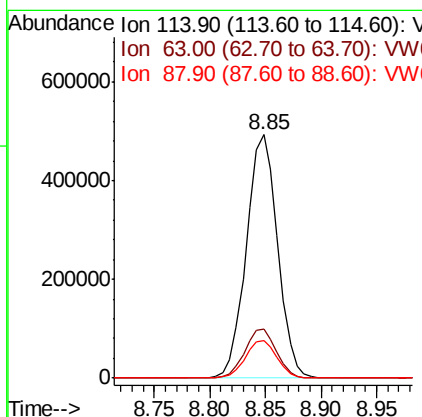
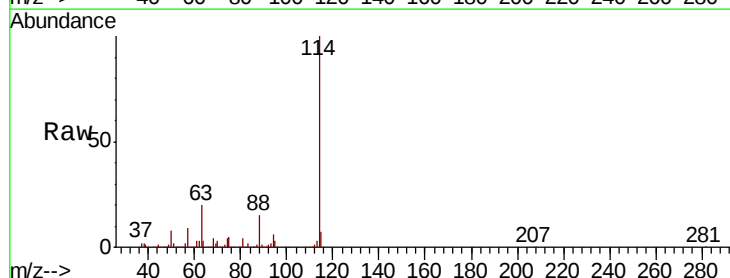
Manual Integrations
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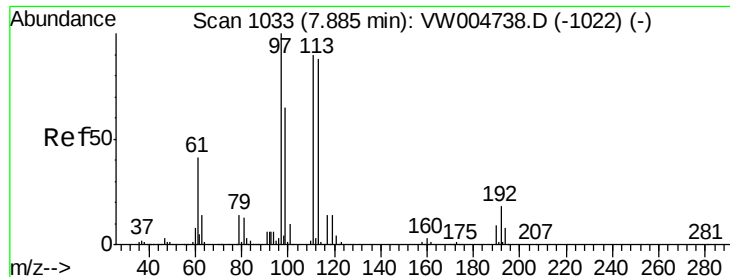
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	39.0	
88	15.3	0.0	30.0	





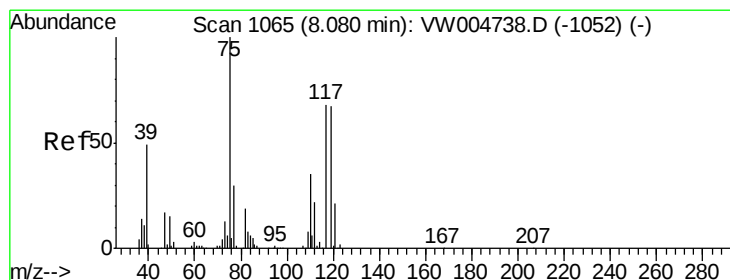
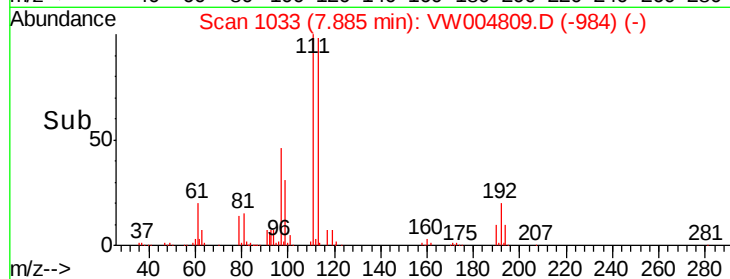
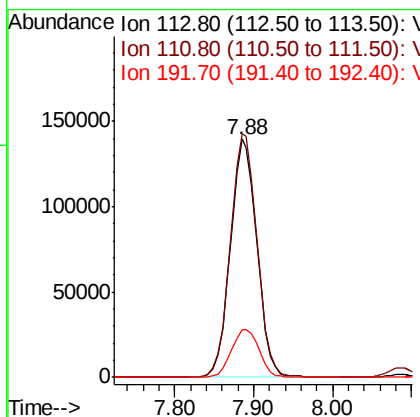
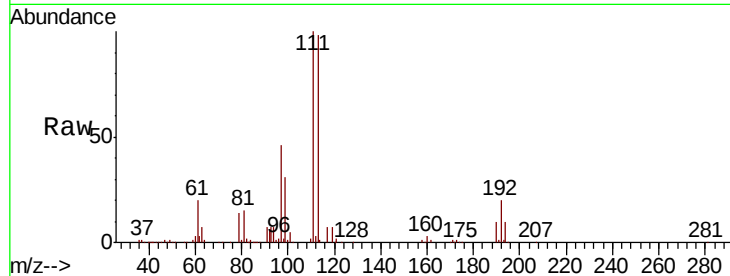
#35
 Dibromofluoromethane
 Concen: 52.84 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.4	123.6	
192	21.1	16.7	25.1	

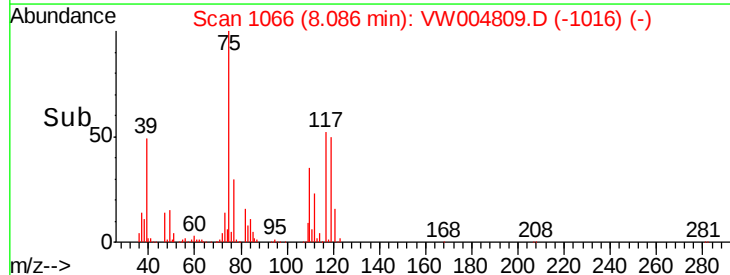
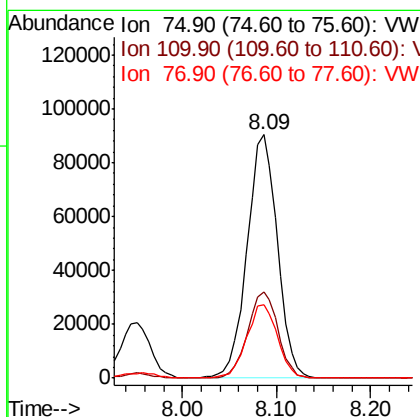
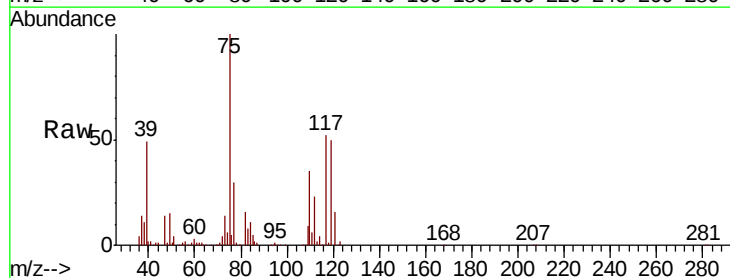
Manual Integrations
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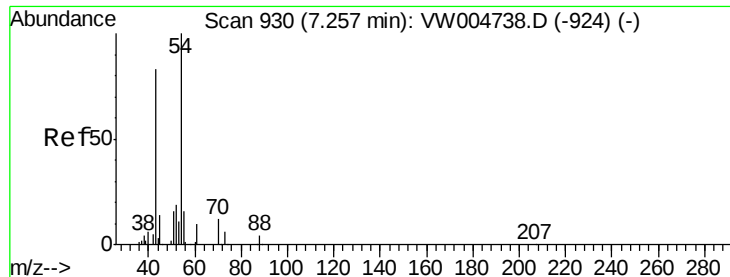
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#36
 1,1-Dichloropropene
 Concen: 20.48 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.4	17.8	53.5	
77	30.9	24.9	37.3	





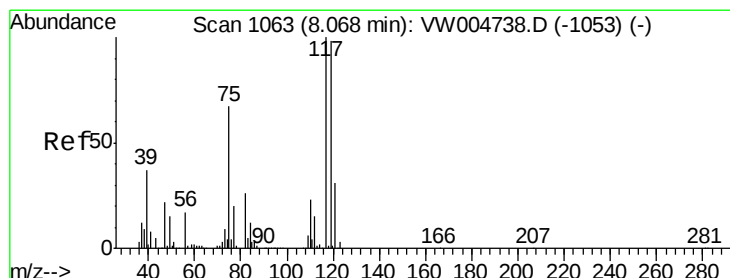
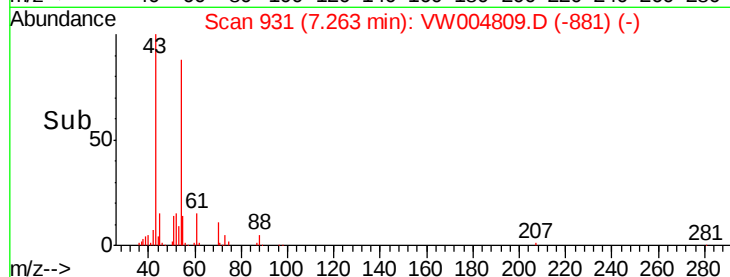
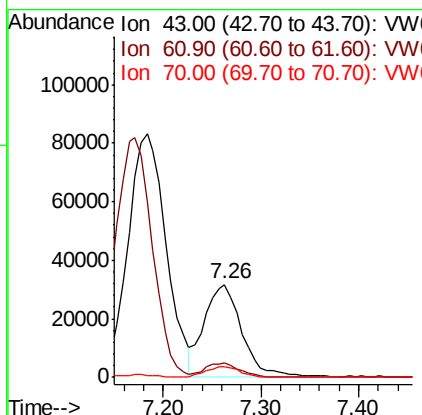
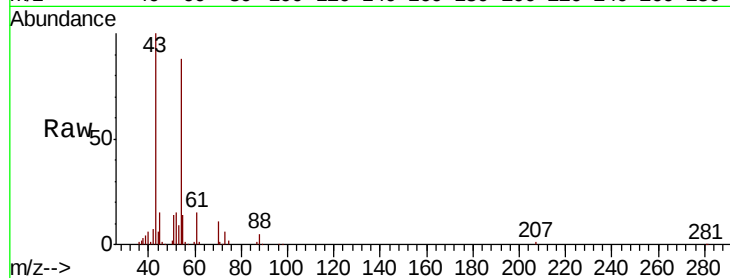
#37
Ethyl Acetate
Concen: 21.20 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampled :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.6	17.4
70	11.0	9.2	13.8

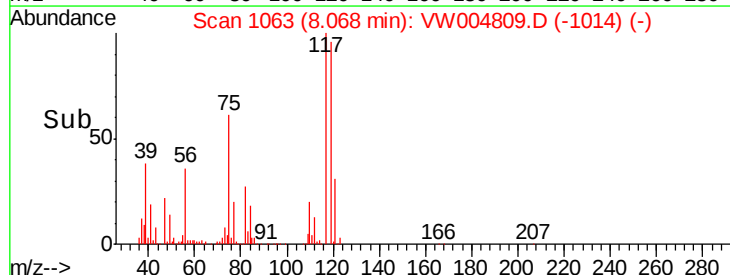
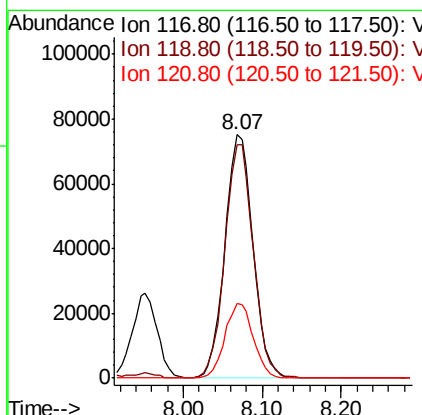
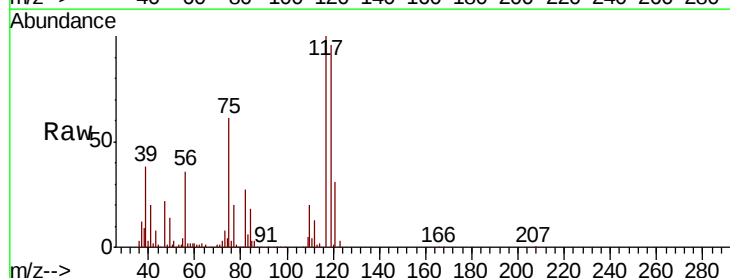
Manual Integrations
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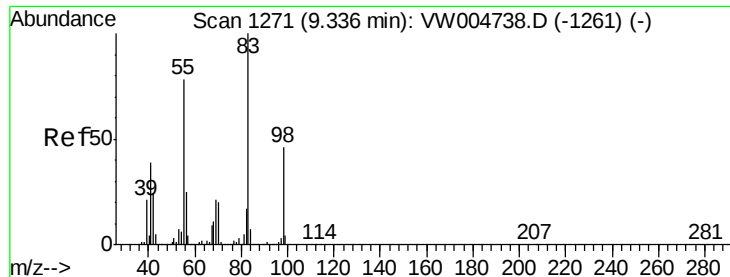
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#38
Carbon Tetrachloride
Concen: 20.51 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.0	117.0
121	30.6	24.8	37.2





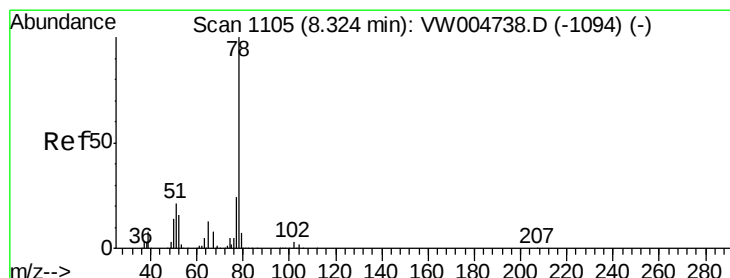
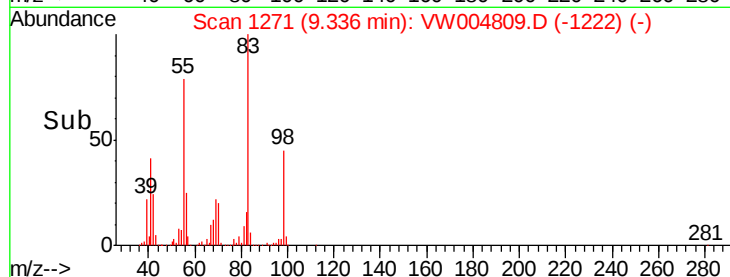
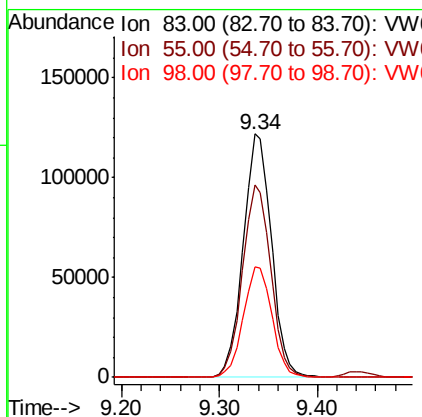
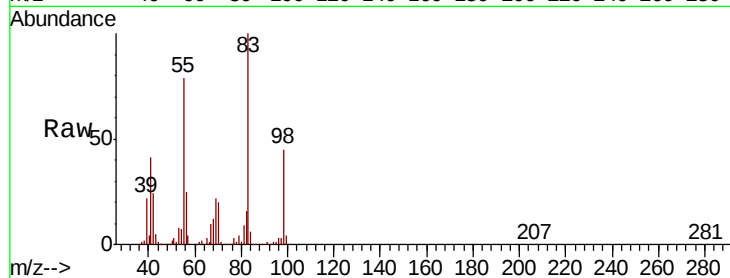
#39
Methvlcvclohexane
Concen: 19.79 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	62.4	93.6
98	45.2	36.5	54.7

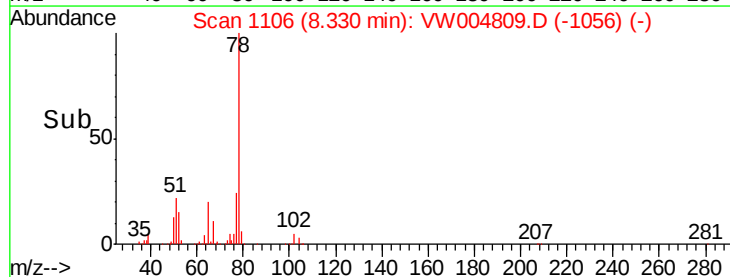
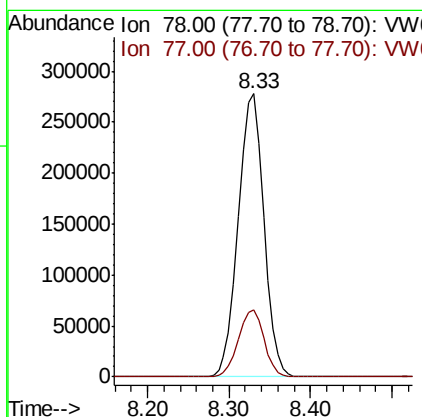
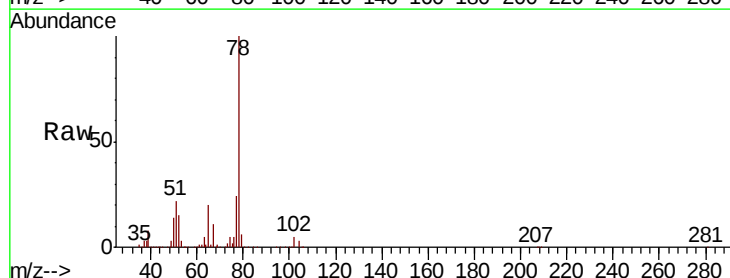
Manual Integrations
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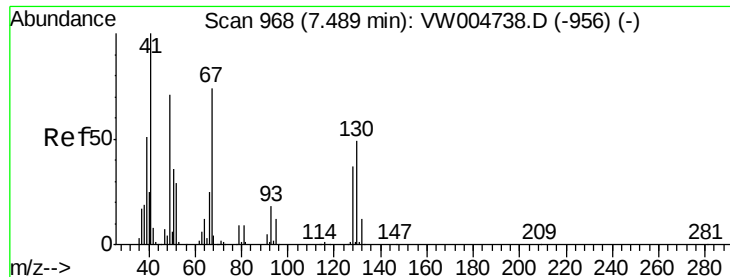
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#40
Benzene
Concen: 21.01 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





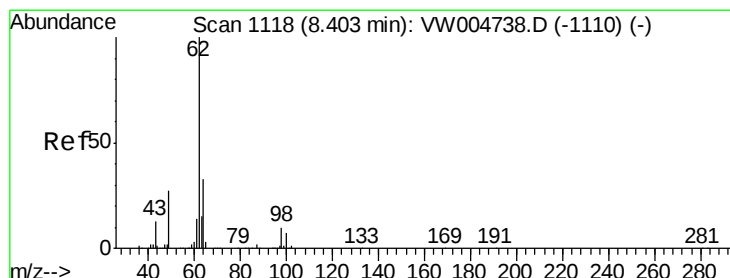
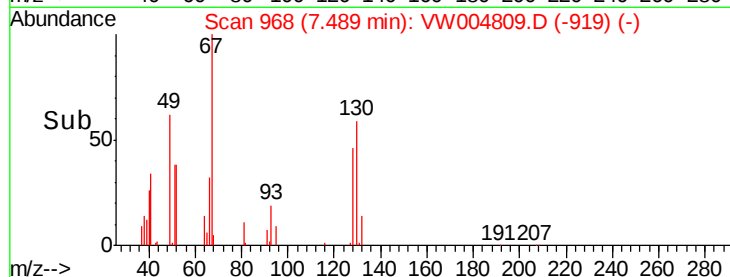
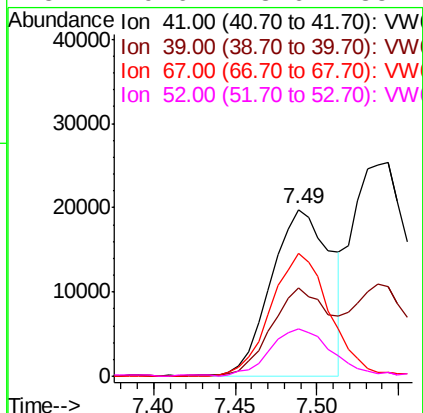
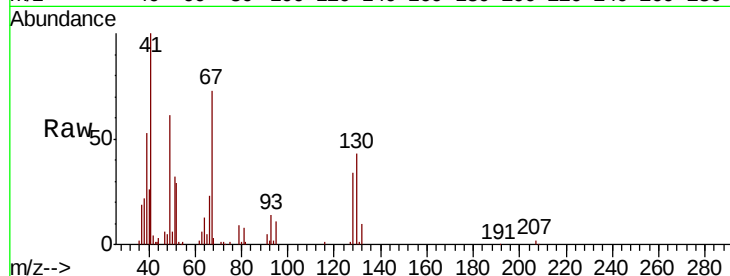
#41
Methacrylonitrile
Concen: 22.43 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.0	61.4
67	72.9	59.5	89.3
52	29.6	23.6	35.4

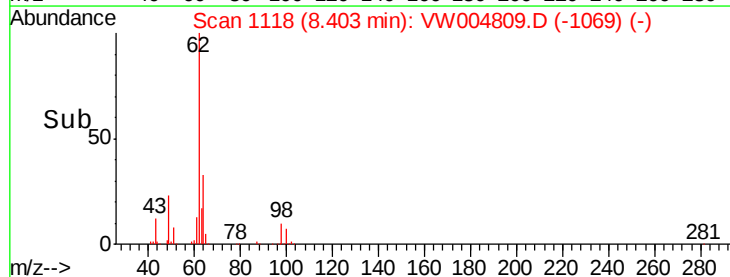
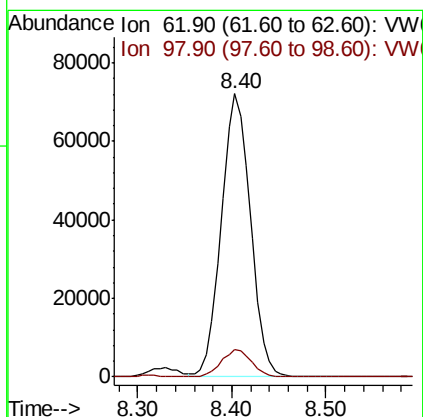
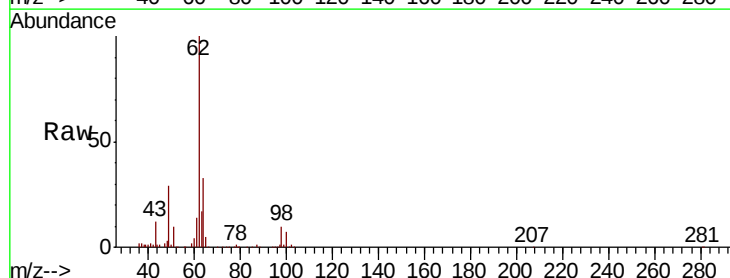
Manual Integrations
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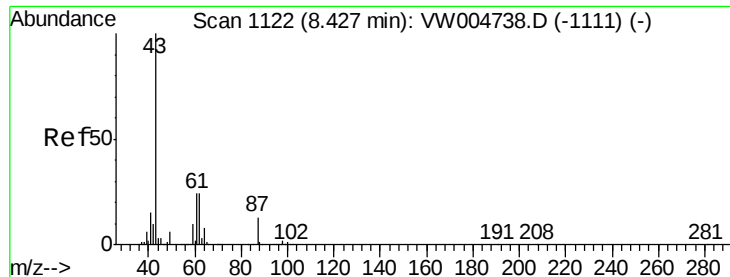
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#42
1,2-Dichloroethane
Concen: 20.95 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.44 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

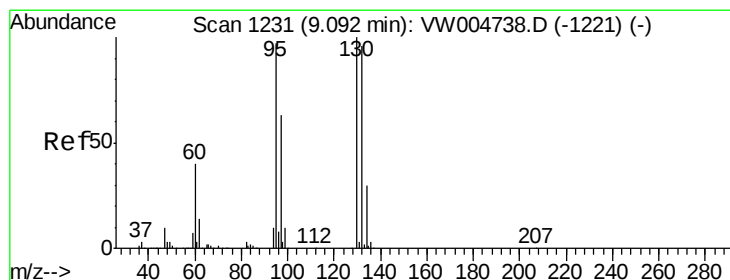
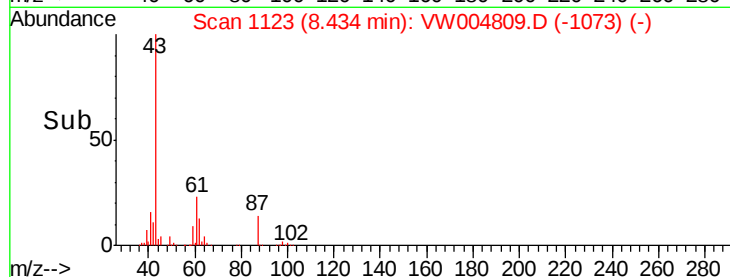
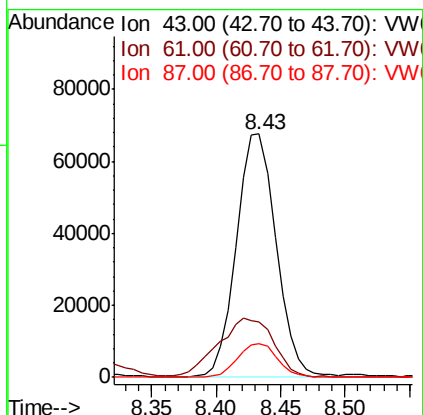
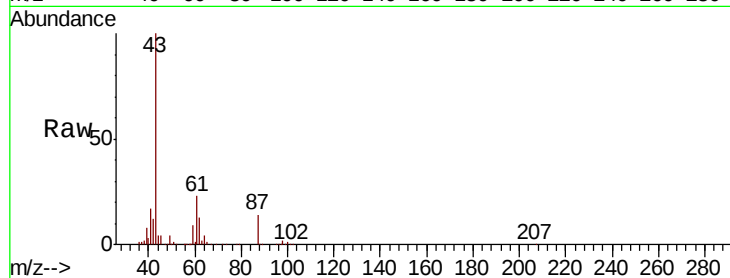
ClientSampleId :

VW0820SBS02

Tot Ion:	43	Resp:	144947
Ion	Ratio	Lower	Upper
43	100		
61	34.2	26.2	39.4
87	14.0	10.9	16.3

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#44

Trichloroethene

Concen: 20.40 ug/l

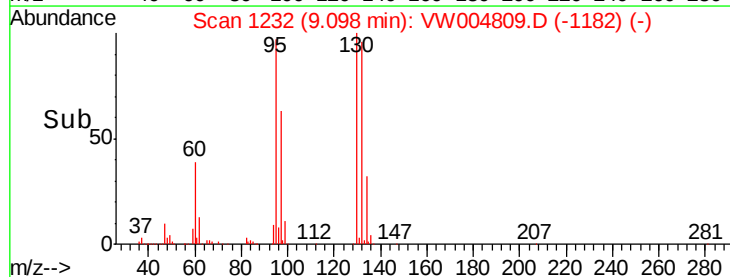
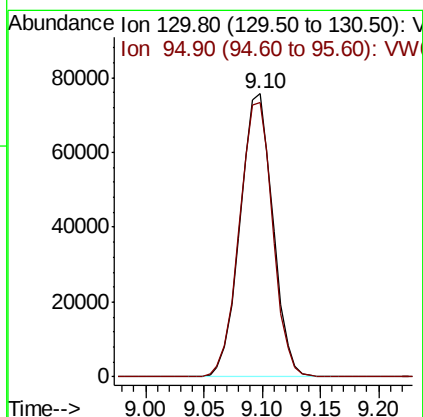
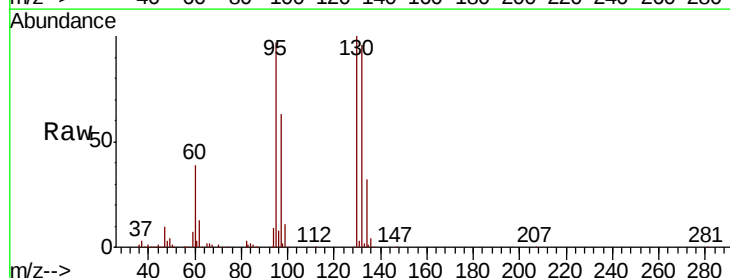
RT: 9.10 min Scan# 1232

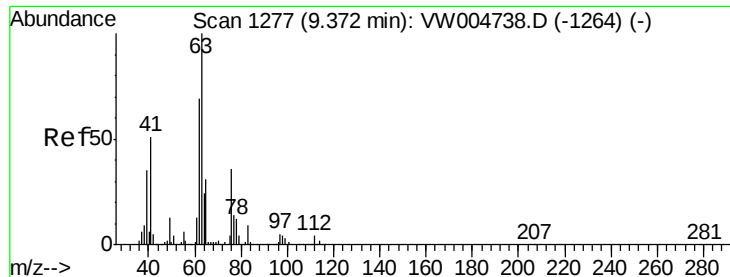
Delta R.T. 0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion:	130	Resp:	149017
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	194.4





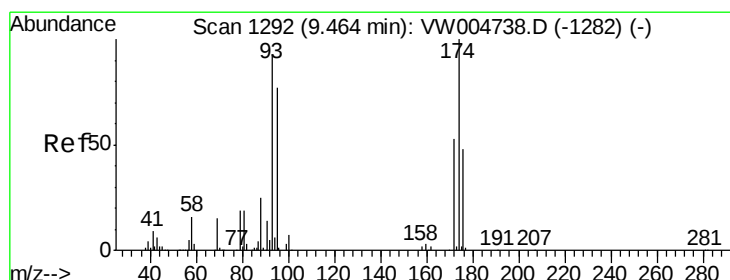
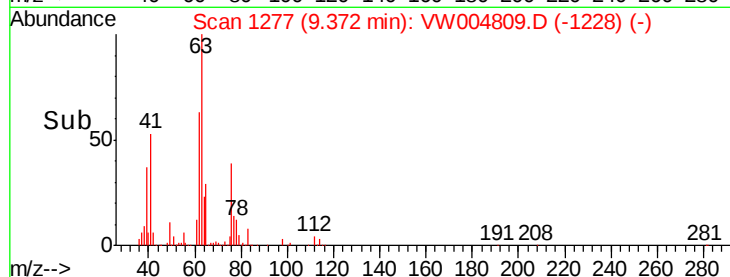
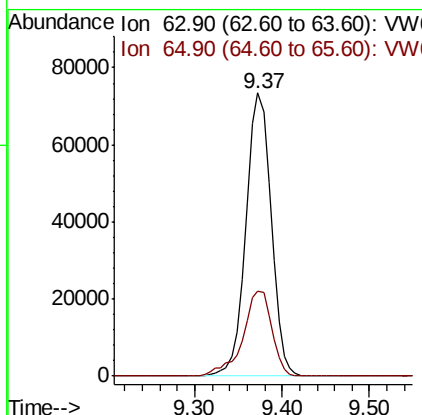
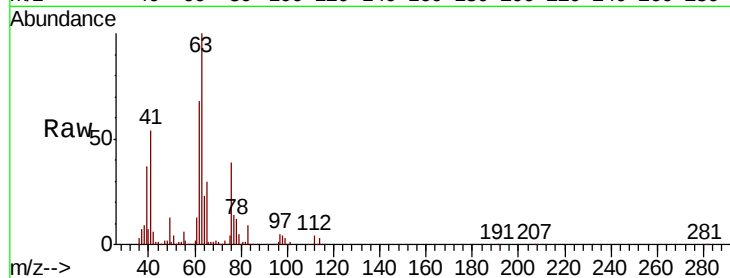
#45
 1,2-Dichloropropane
 Concen: 20.88 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.6	37.0

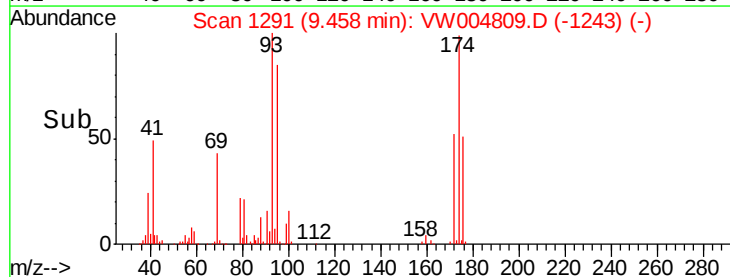
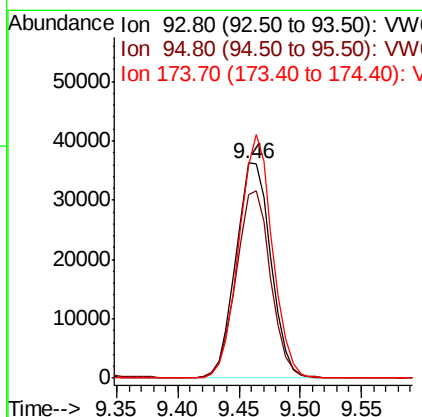
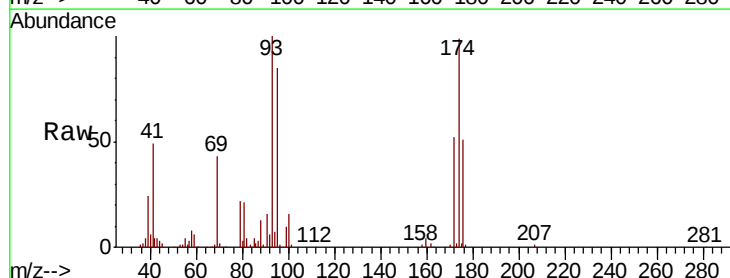
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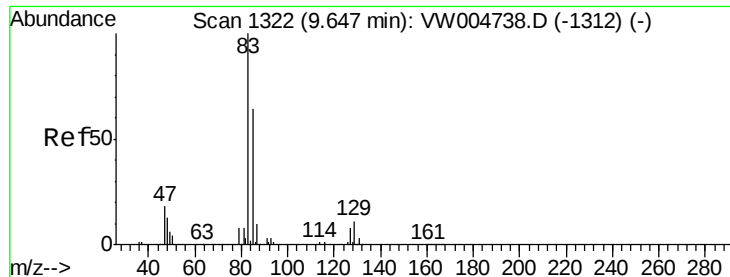
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#46
 Dibromomethane
 Concen: 20.75 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	66.6	99.8
174	107.6	85.3	127.9





#47

Bromodichloromethane

Concen: 20.80 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

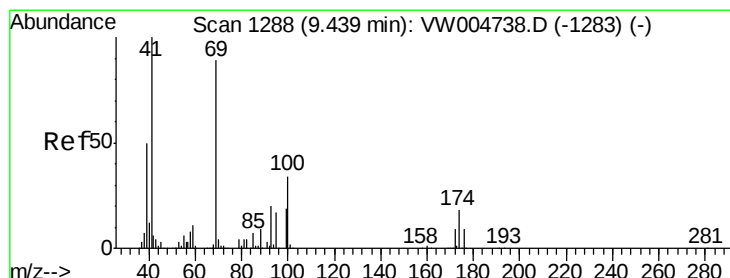
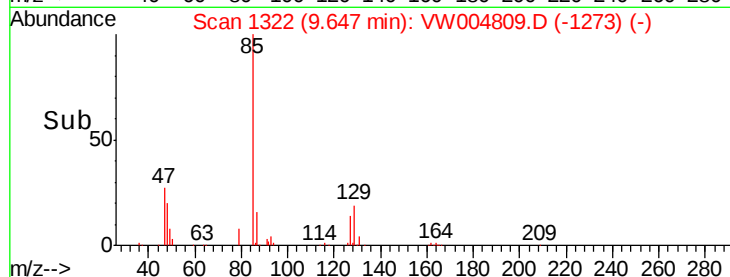
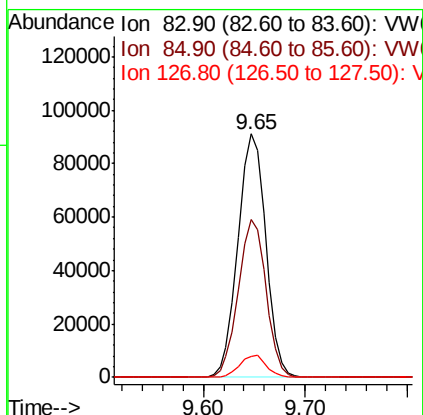
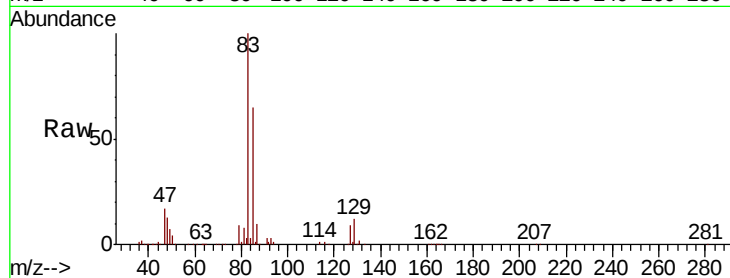
ClientSampleId :

VW0820SBS02

Tot Ion:	83	Resp:	173224
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8
127	8.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.22 ug/l

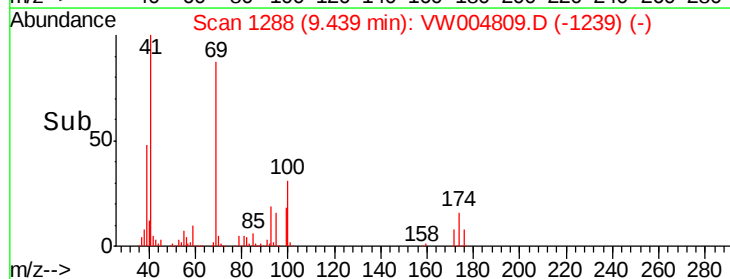
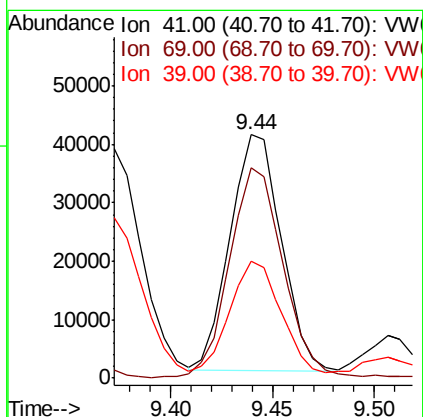
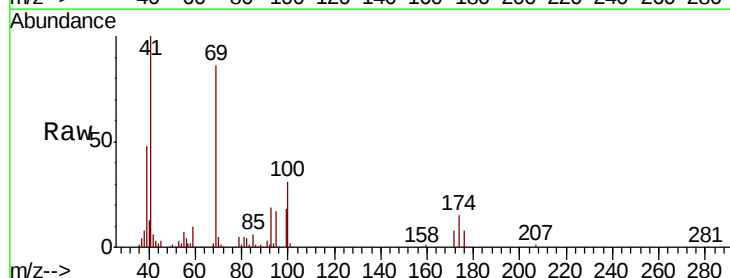
RT: 9.44 min Scan# 1288

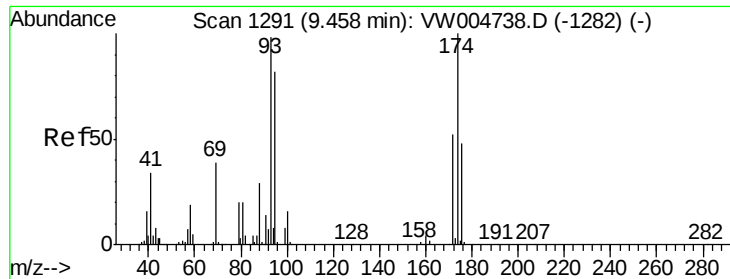
Delta R.T. -0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion:	41	Resp:	70599
Ion	Ratio	Lower	Upper
41	100		
69	92.6	75.2	112.8
39	46.2	39.8	59.6





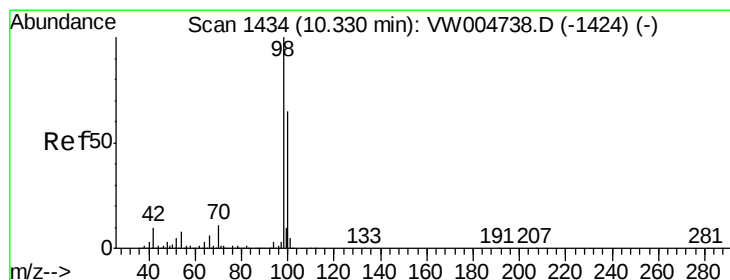
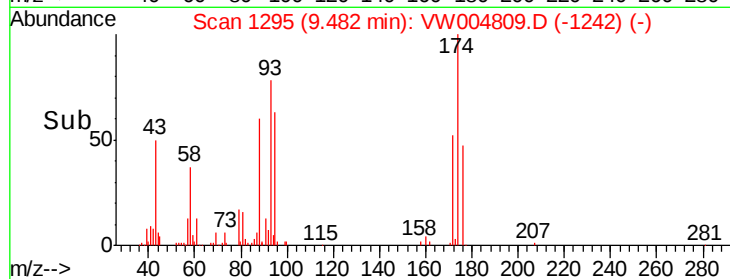
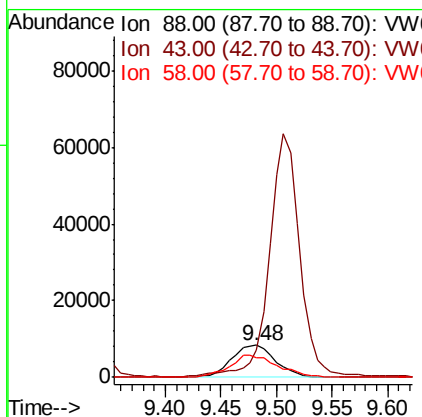
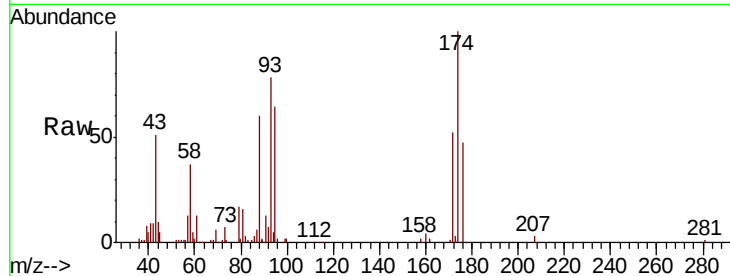
#49
1,4-Dioxane
Concen: 451.20 ug/l
RT: 9.48 min Scan# 1295
Delta R.T. 0.02 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	76.8	60.0	90.0

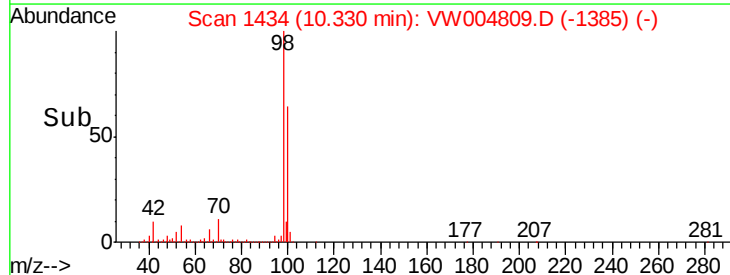
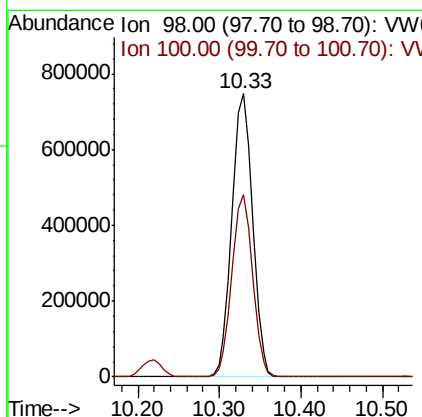
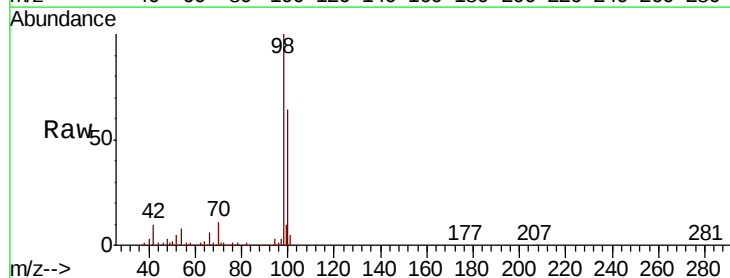
Manual Integrations
APPROVED

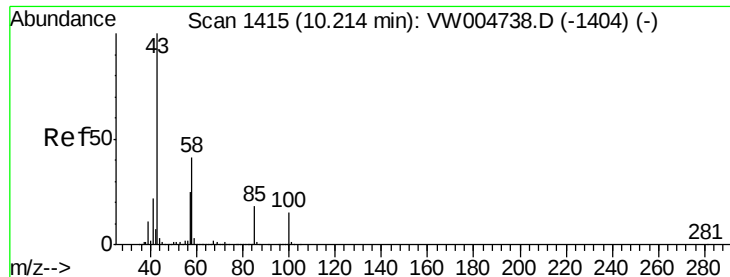
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#50
Toluene-d8
Concen: 54.29 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 105.54 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 43 Resp: 505716

Ion Ratio Lower Upper

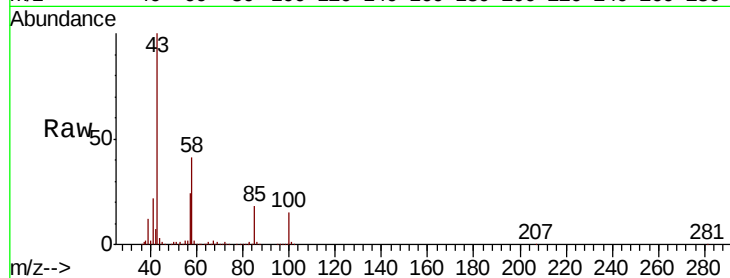
43 100

58 40.7 32.7 49.1

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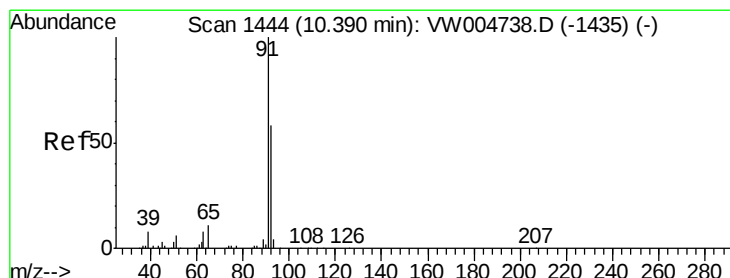
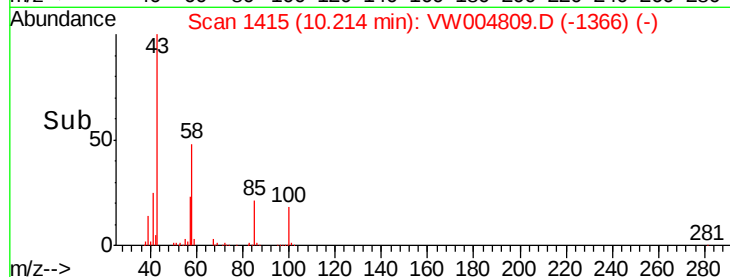
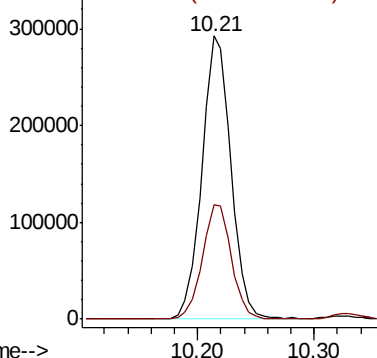
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.55 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004809.D

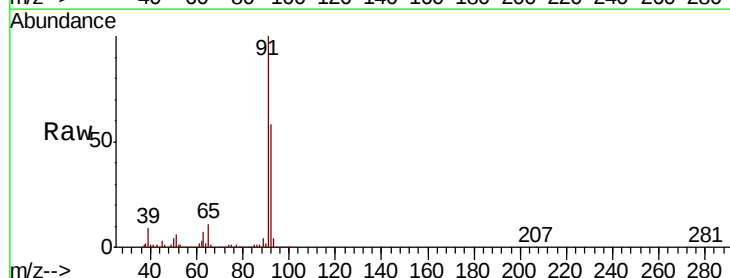
Acq: 21 Aug 2018 00:45

Tgt Ion: 92 Resp: 371851

Ion Ratio Lower Upper

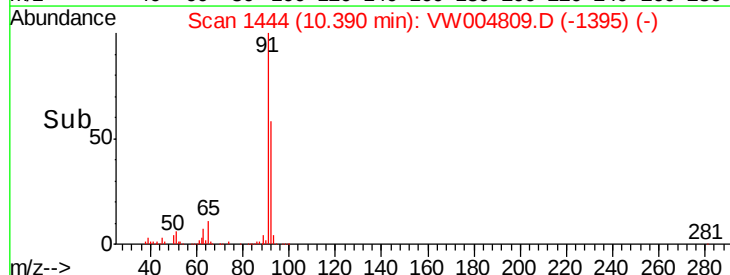
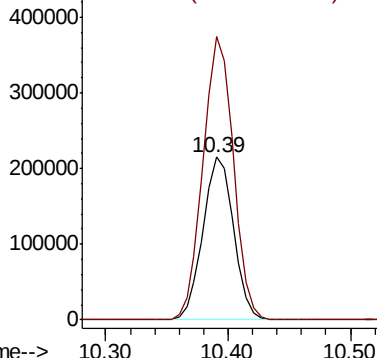
92 100

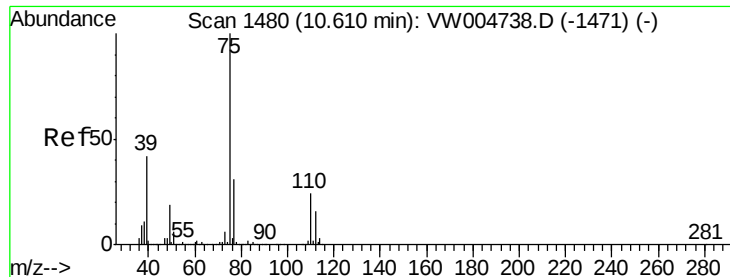
91 173.6 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 20.58 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampled :

VW0820SBS02

Tot Ion: 75 Resp: 172717

Ion Ratio Lower Upper

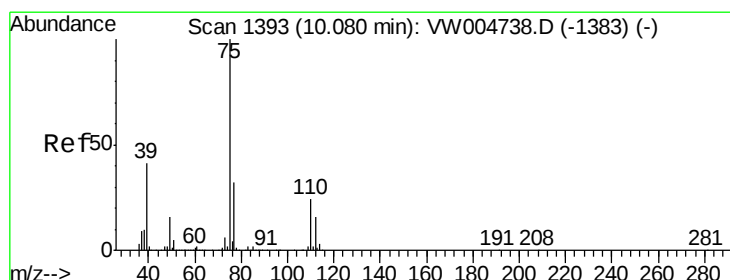
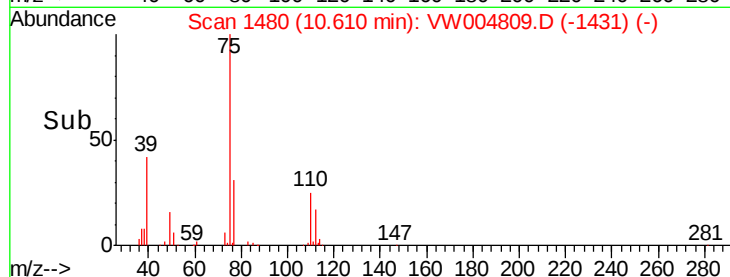
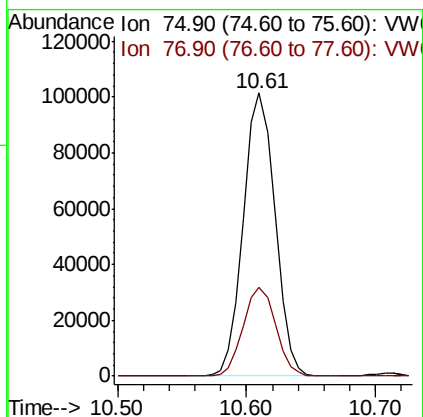
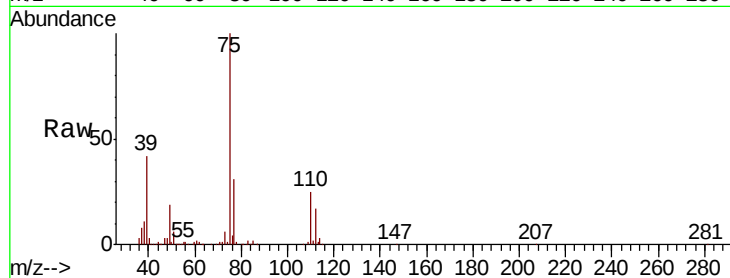
75 100

77 31.3 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 20.79 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

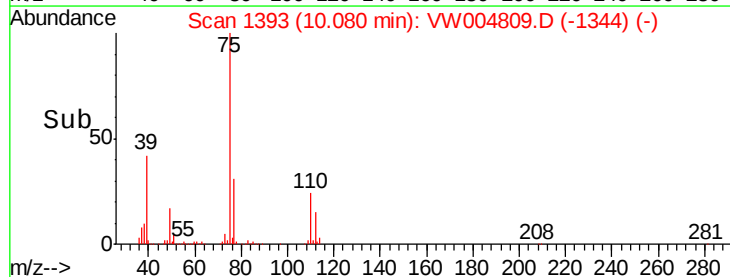
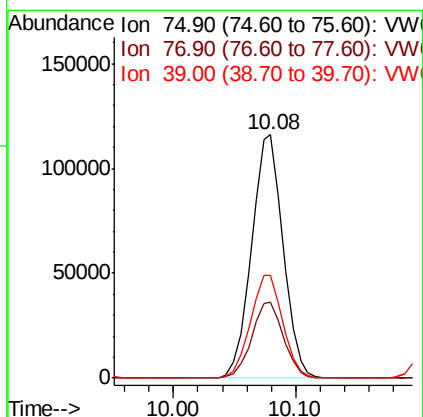
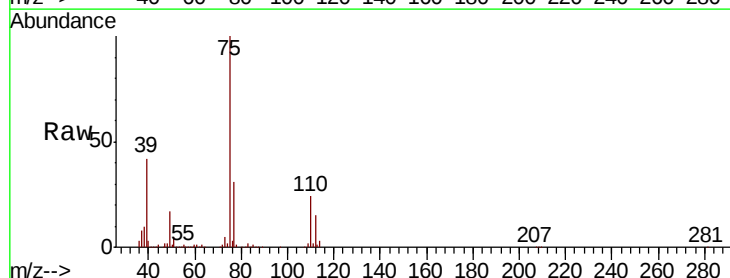
Tgt Ion: 75 Resp: 207970

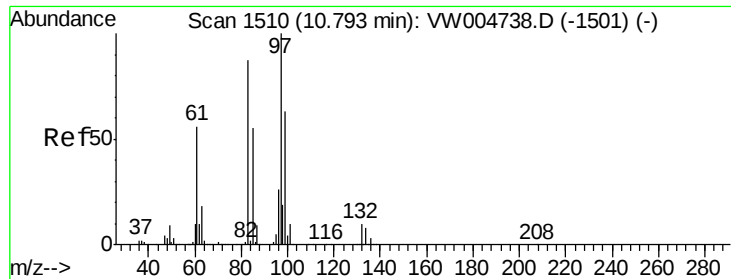
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 42.0 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 21.59 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

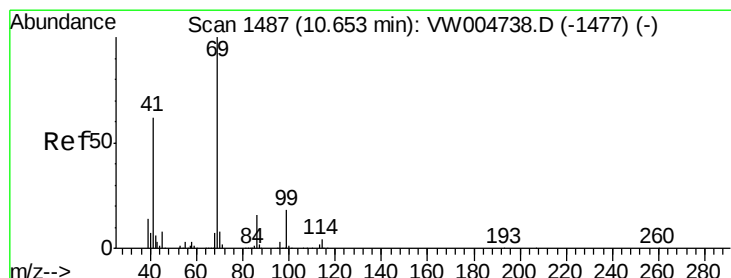
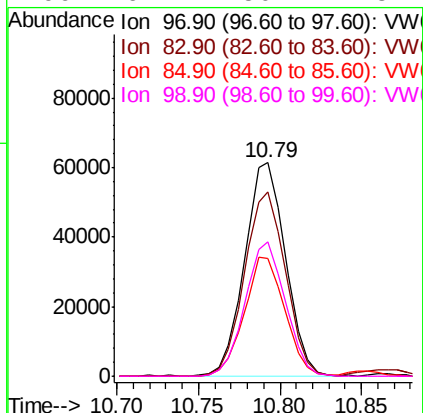
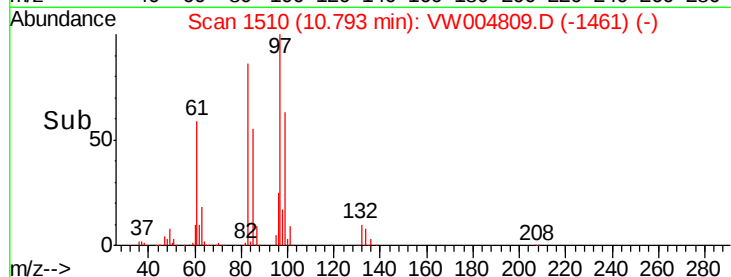
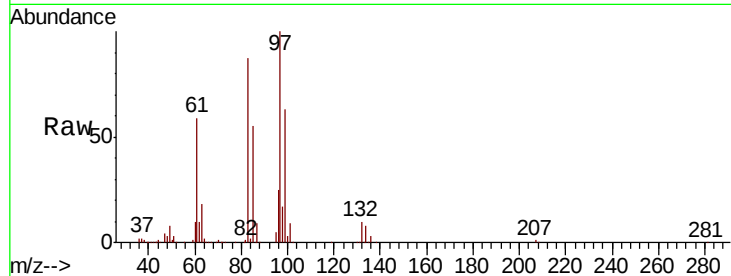
ClientSampleId :

VW0820SBS02

Tot Ion:	97	Resp:	107036
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.3	66.5
99	62.7	50.2	75.2

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#56

Ethyl methacrylate

Concen: 20.62 ug/l

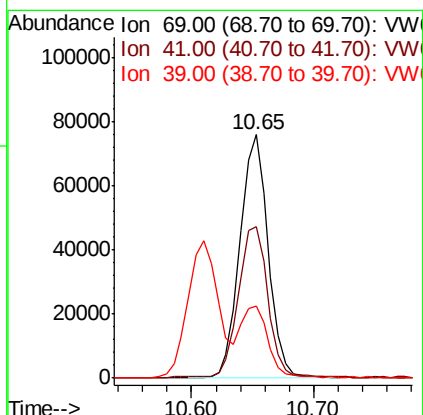
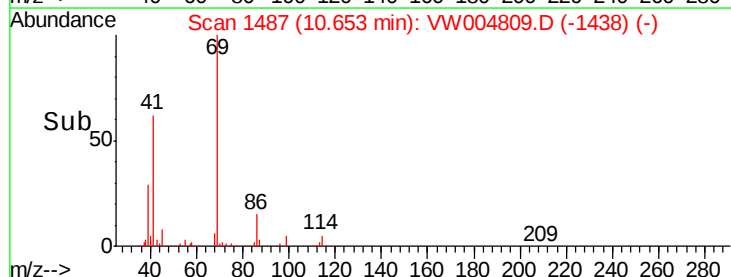
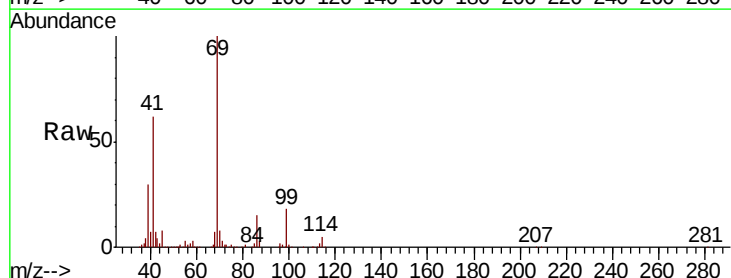
RT: 10.65 min Scan# 1487

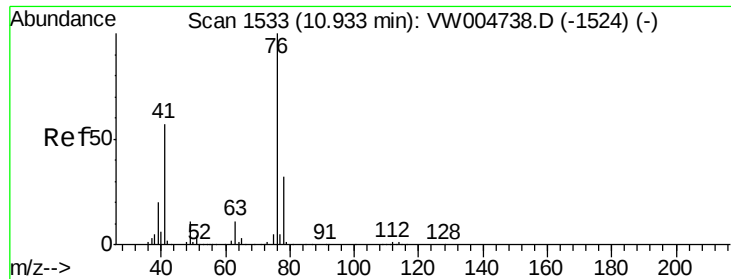
Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion:	69	Resp:	121476
Ion	Ratio	Lower	Upper
69	100		
41	66.0	50.7	76.1
39	27.8	21.4	32.2





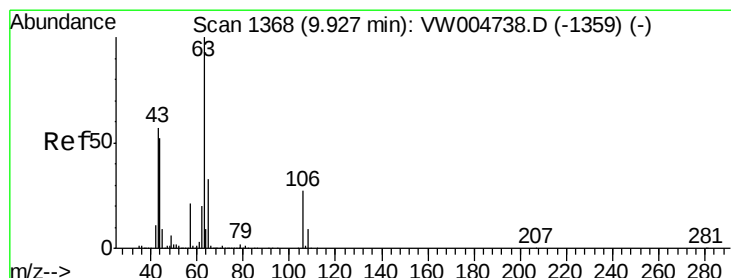
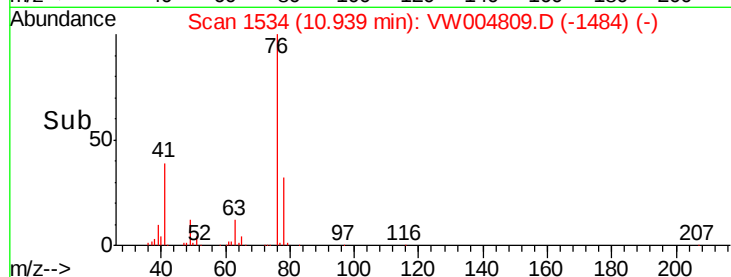
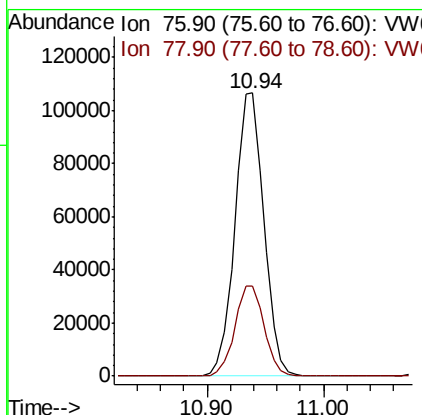
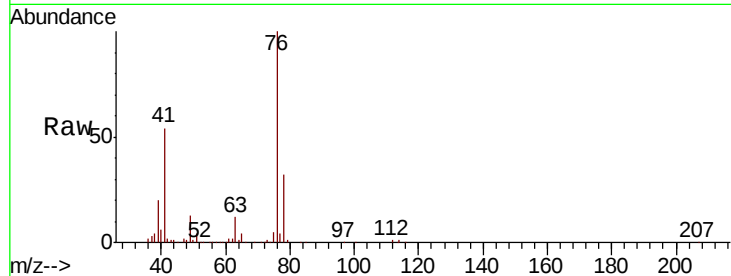
#57
 1,3-Dichloropropane
 Concen: 21.55 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

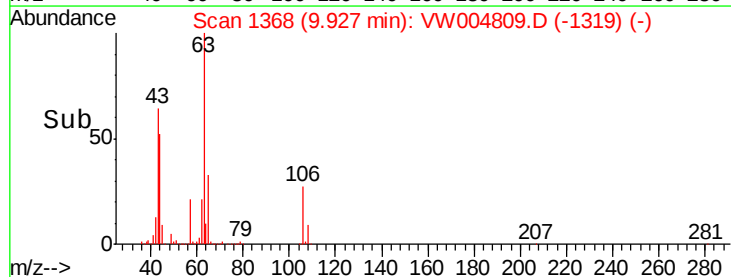
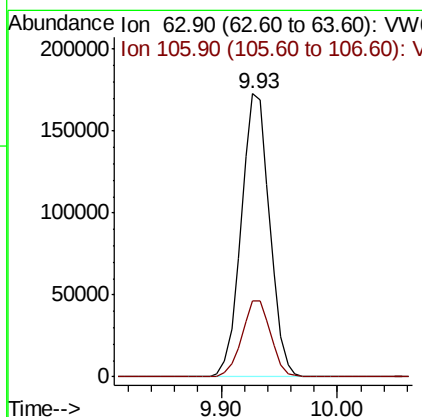
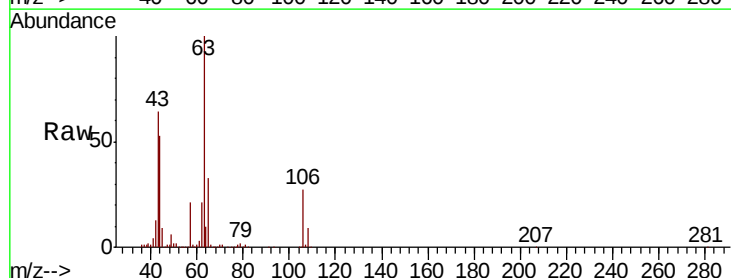
Manual Integrations
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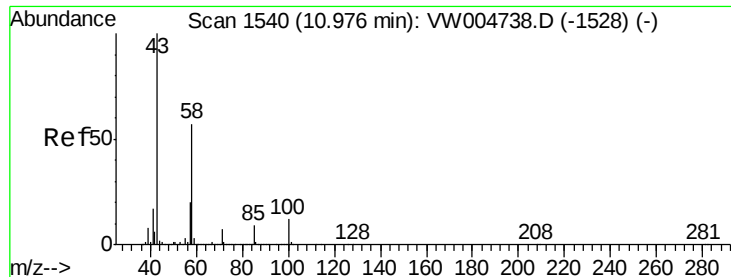
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.64 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	22.1	33.1





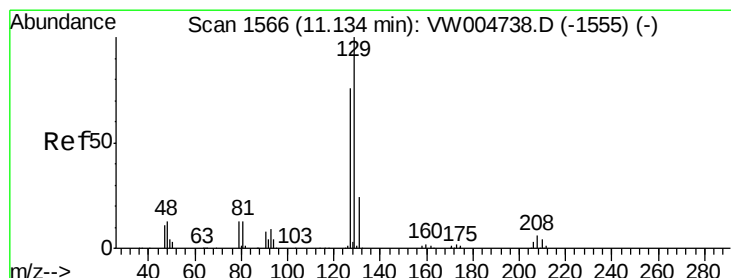
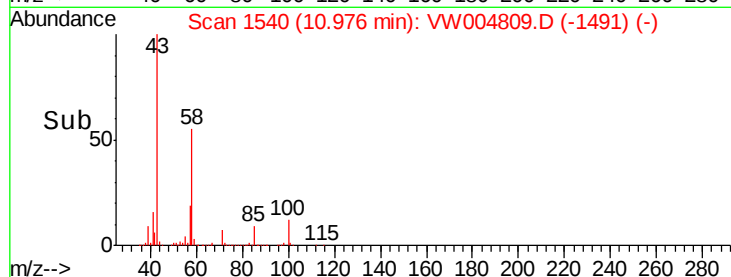
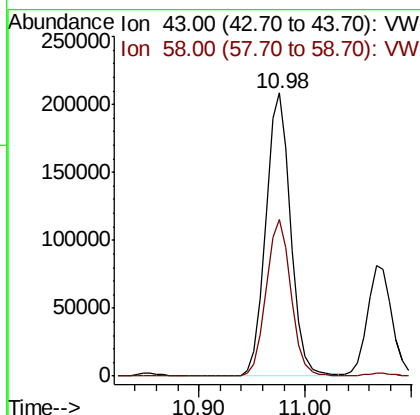
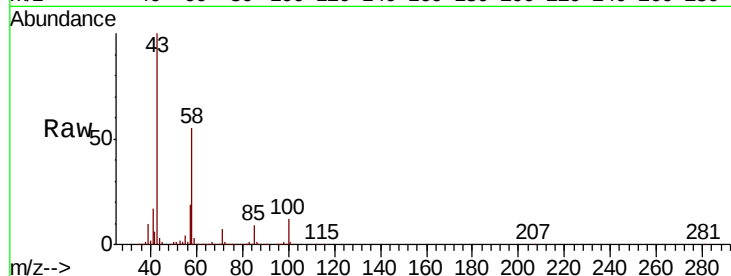
#59
2-Hexanone
Concen: 104.58 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.1	84.4

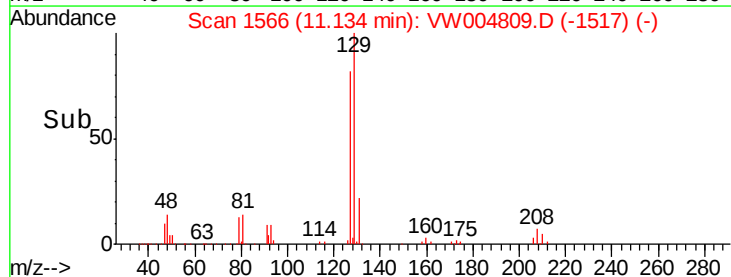
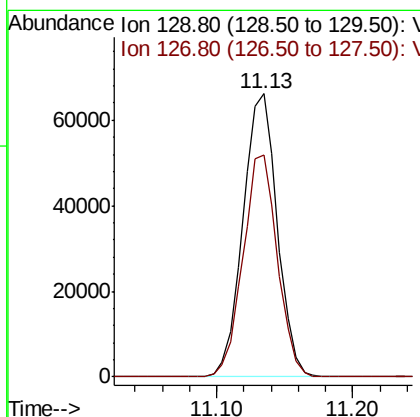
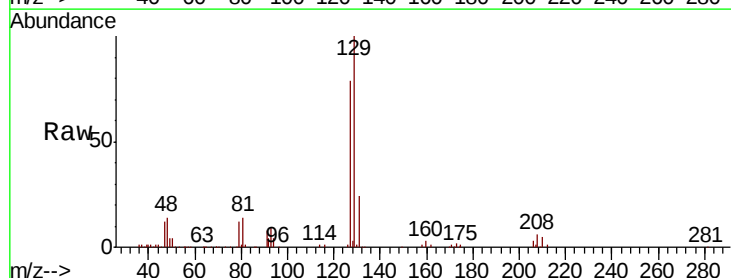
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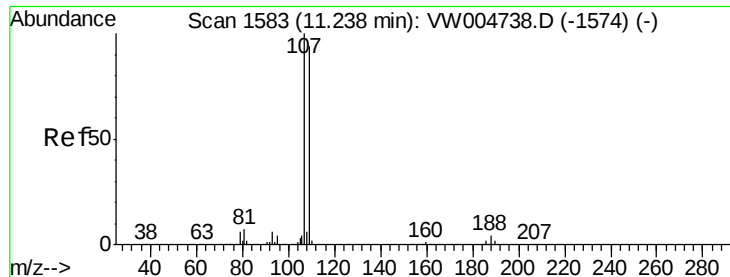
apatel
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#60
Dibromochloromethane
Concen: 21.01 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.5	115.5





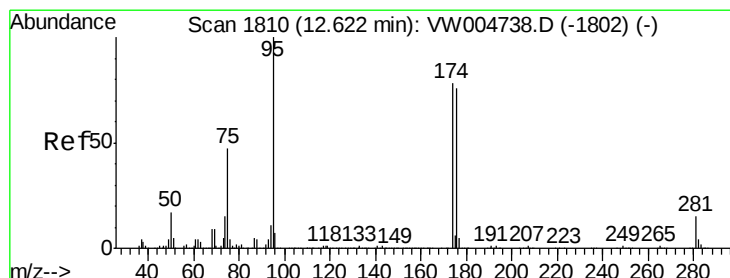
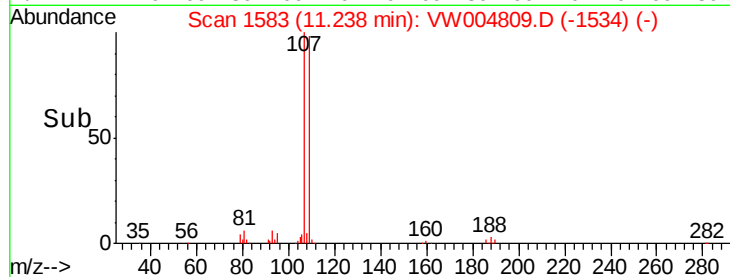
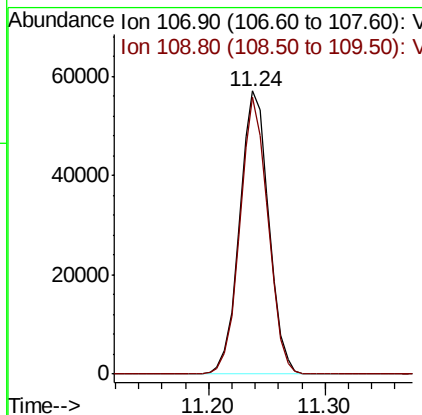
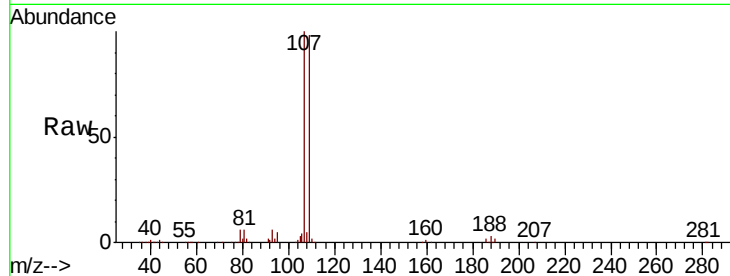
#61
 1,2-Dibromoethane
 Concen: 21.02 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion: 107 Resp: 99576
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.5 113.3

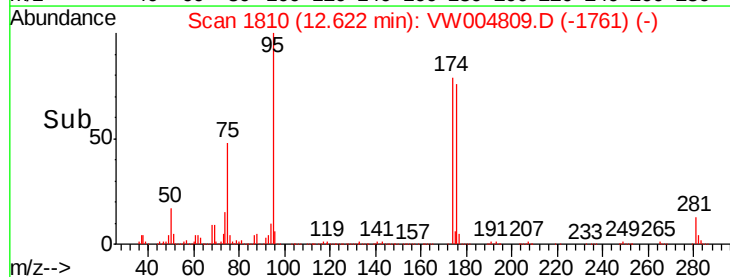
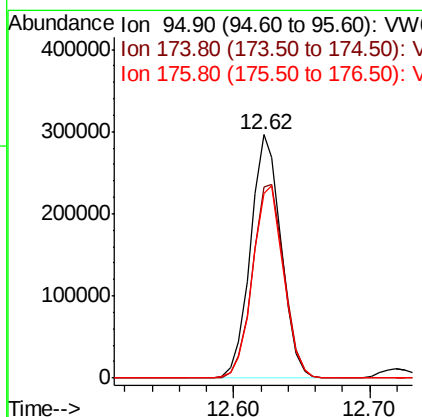
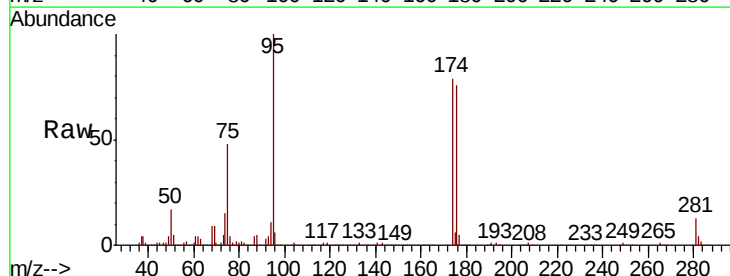
Manual Integrations
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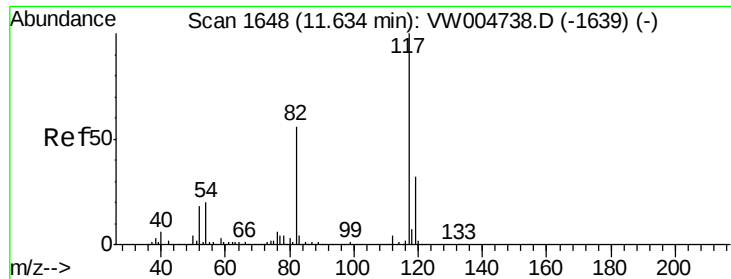
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.18 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion: 95 Resp: 467435
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 165.8
 176 80.2 0.0 159.8





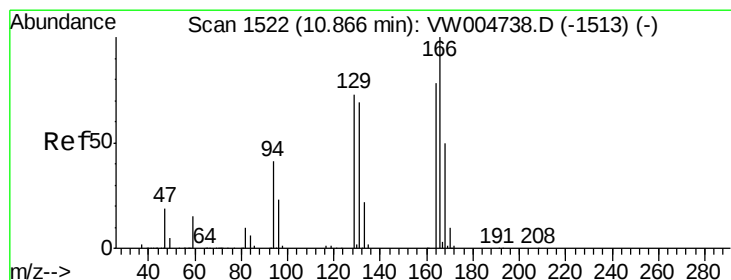
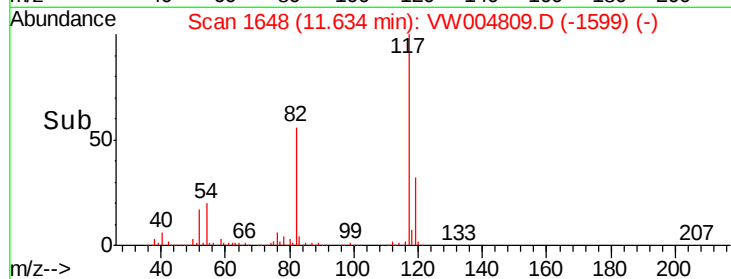
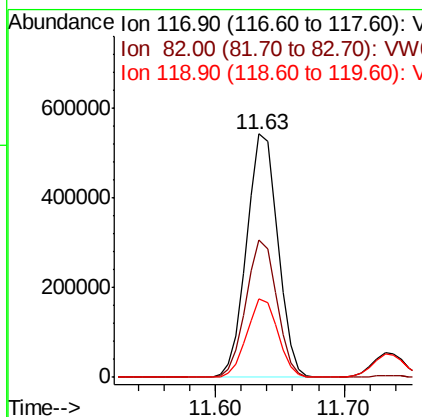
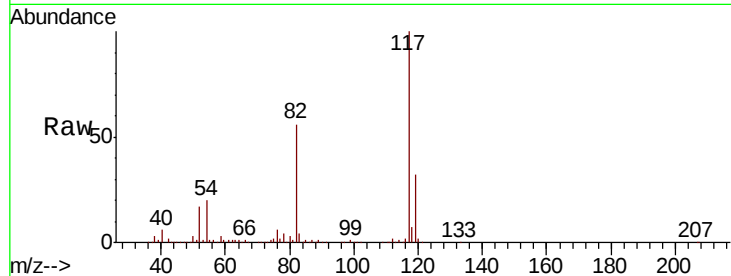
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	909727		
82	56.3		44.6	67.0
119	32.2		25.6	38.4

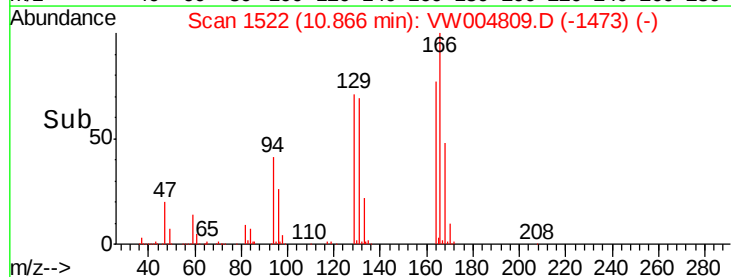
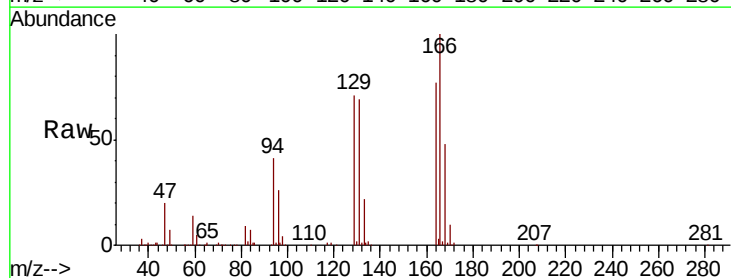
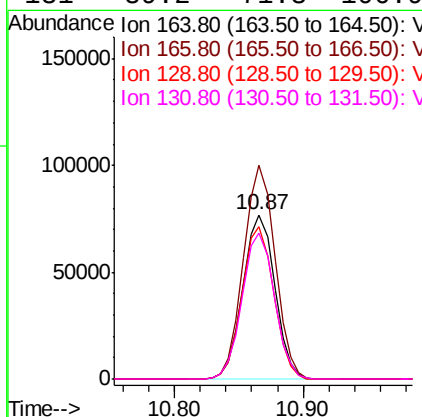
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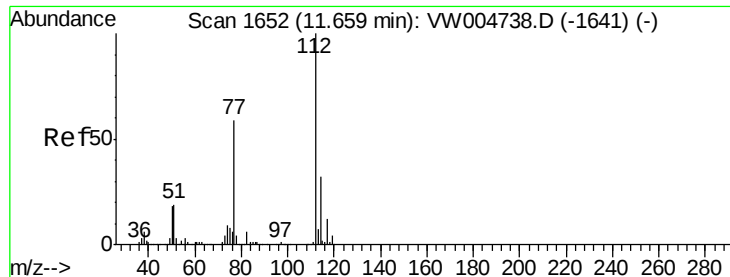
apatel
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#64
Tetrachloroethene
Concen: 21.14 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131463		
166	130.2		102.5	153.7
129	92.8		75.1	112.7
131	89.2		71.3	106.9





#65

Chlorobenzene

Concen: 20.91 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampled :

VW0820SBS02

Tot Ion:112 Resp: 409424

Ion Ratio Lower Upper

112 100

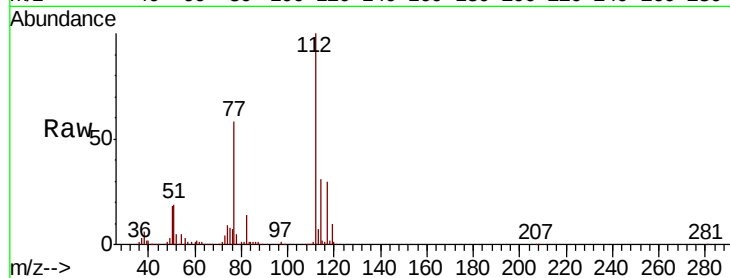
114 31.2 25.4 38.2

Manual Integrations

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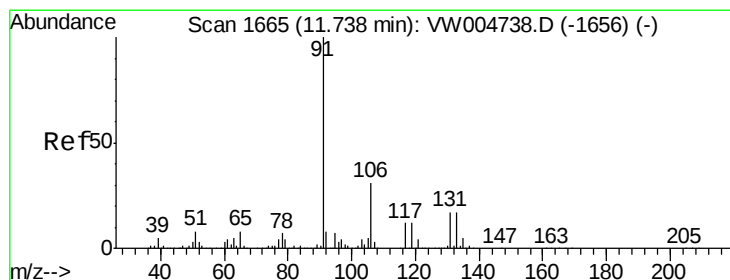
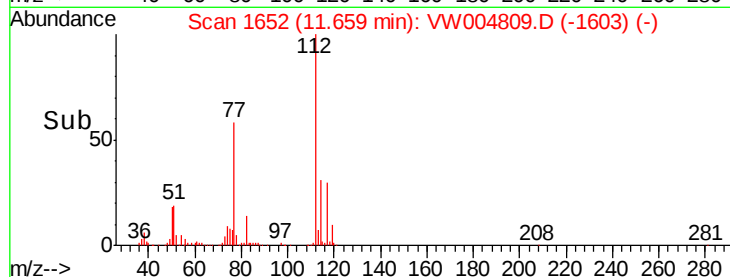
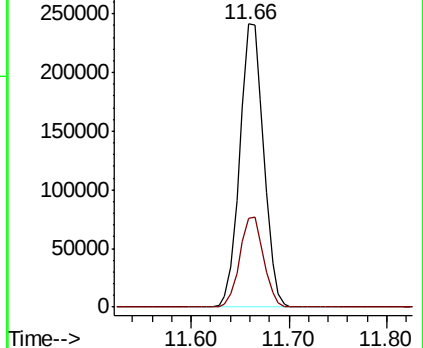
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.74 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

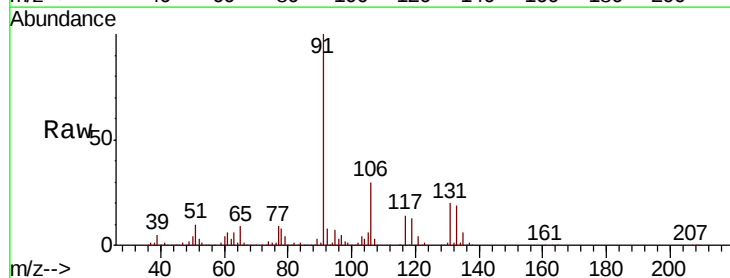
Tgt Ion:131 Resp: 137146

Ion Ratio Lower Upper

131 100

133 93.7 48.2 144.6

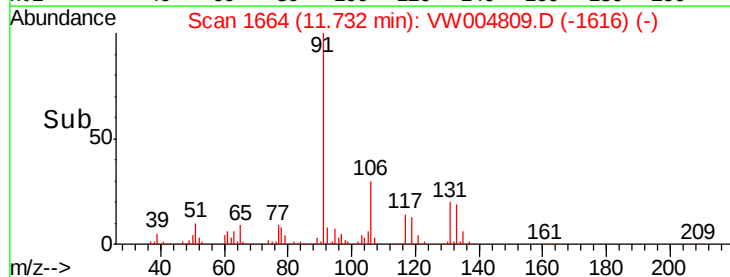
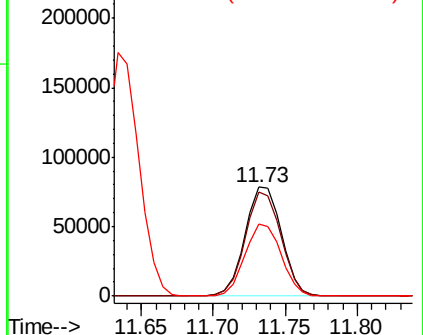
119 66.0 34.0 102.0

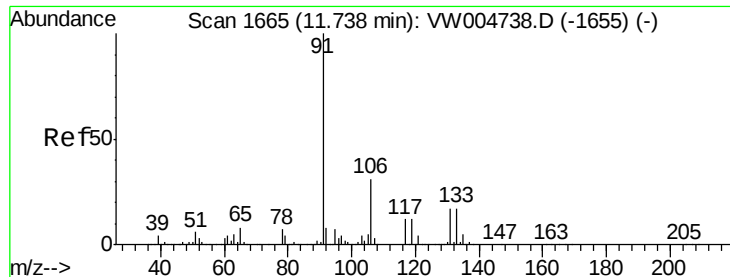


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





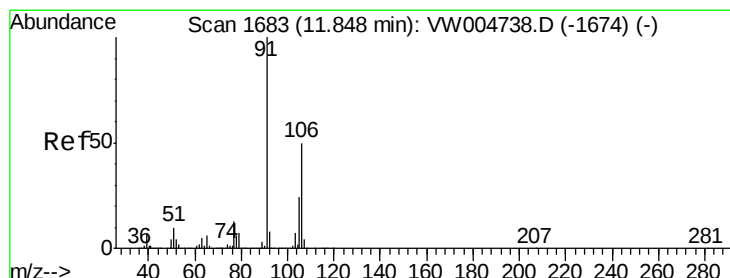
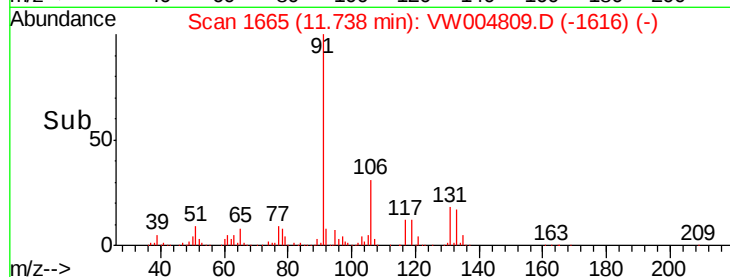
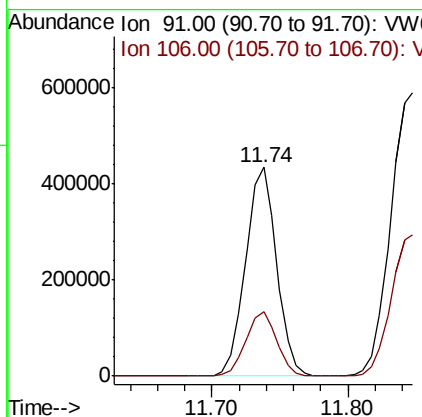
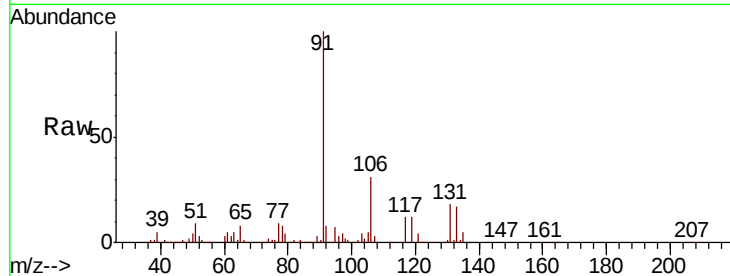
#67
Ethyl Benzene
Concen: 20.84 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampled :
VW0820SBS02

Tot Ion: 91 Resp: 691715
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

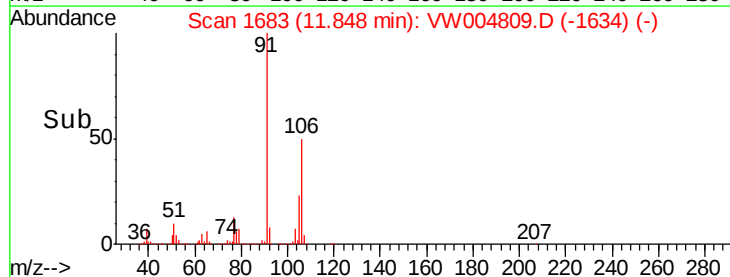
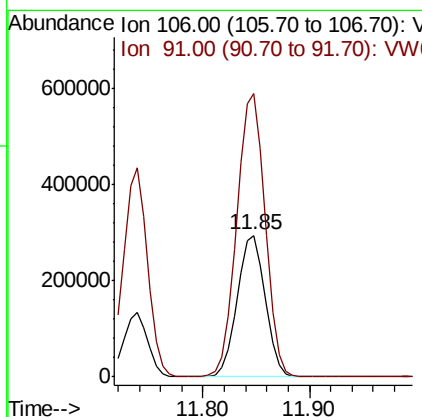
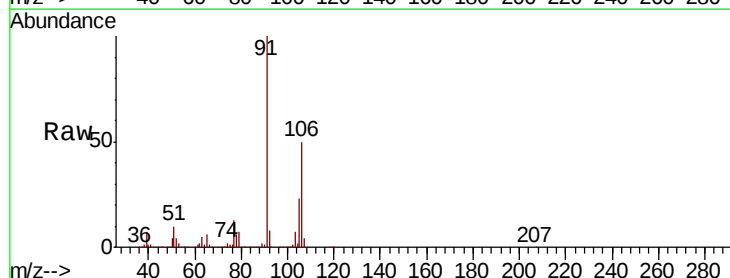
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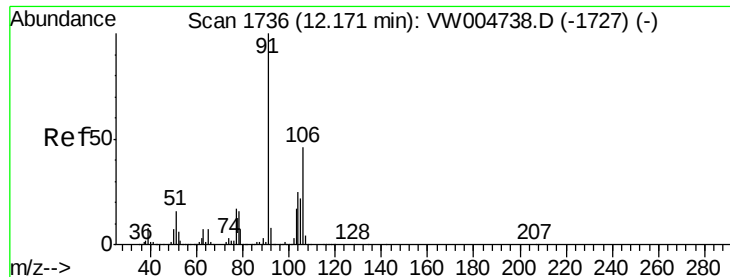
apatel
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#68
m/p-Xylenes
Concen: 42.13 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion: 106 Resp: 544122
Ion Ratio Lower Upper
106 100
91 202.2 159.9 239.9





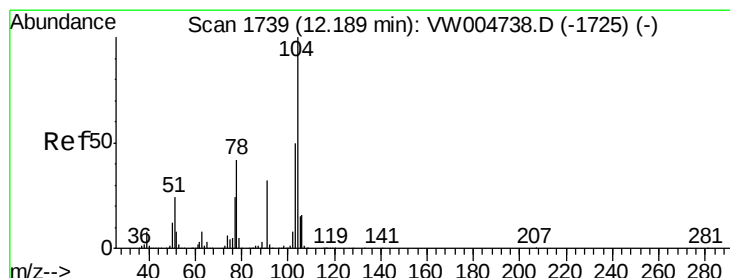
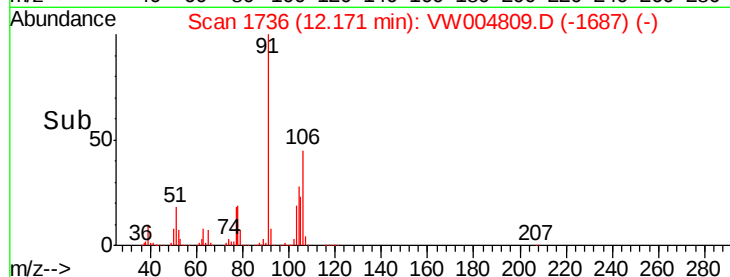
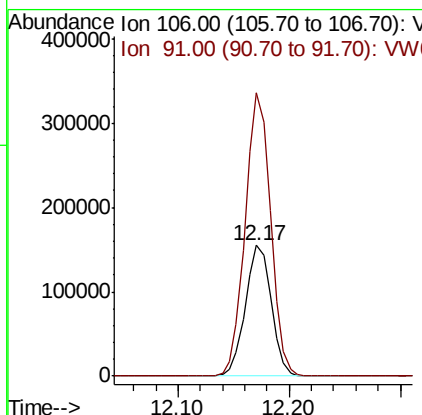
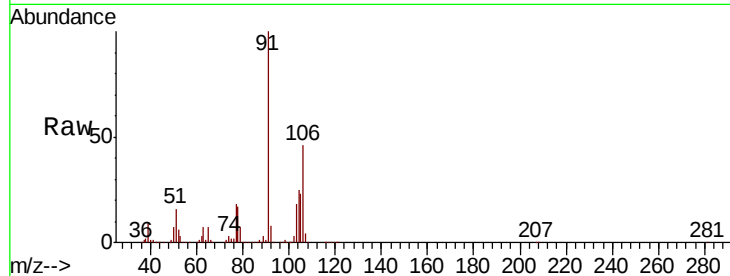
#69
o-Xylene
Concen: 21.05 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampled :
VW0820SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	251717		
91	91	212.8	107.3	321.8	

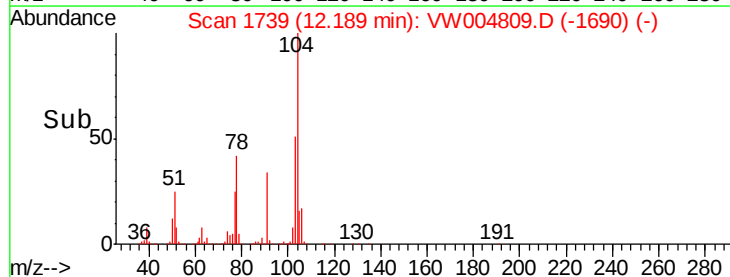
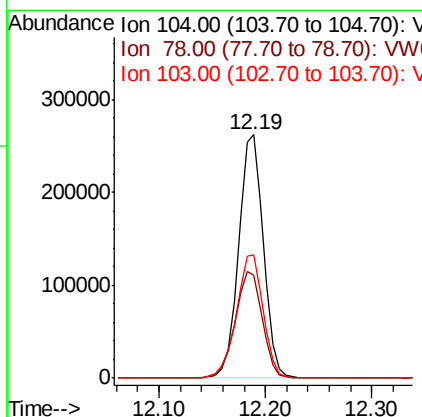
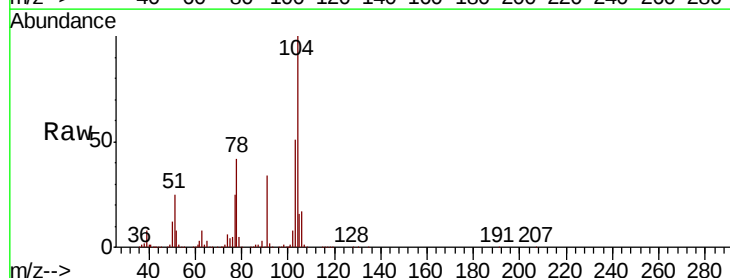
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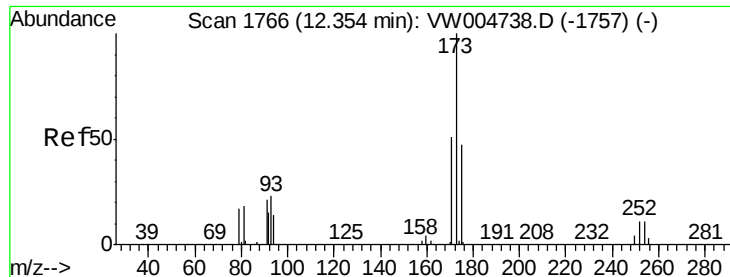
apatel
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#70
Styrene
Concen: 21.28 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	427293		
78	78	48.1	38.4	57.6	
103	103	55.1	44.1	66.1	





#71

Bromoform

Concen: 20.82 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion:173 Resp: 72660

Ion Ratio Lower Upper

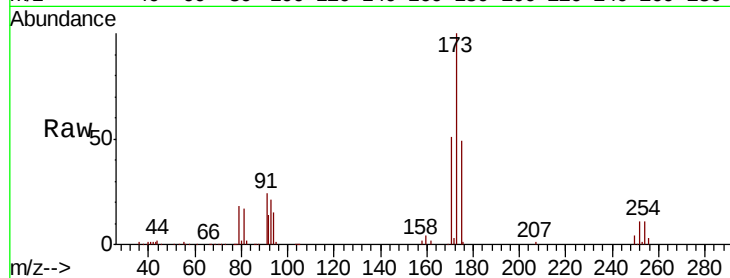
173 100

175 48.2 23.8 71.4

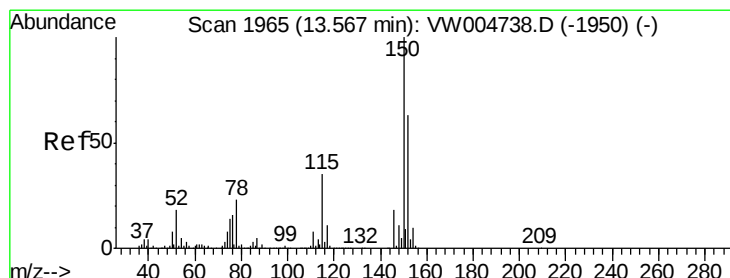
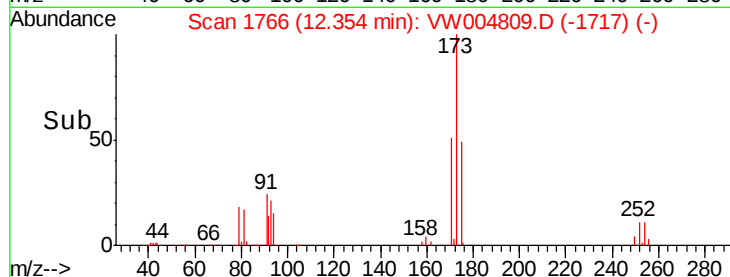
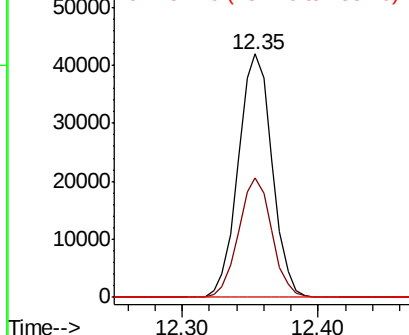
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

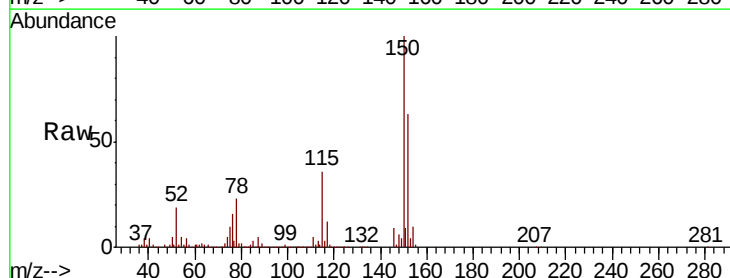
Tgt Ion:152 Resp: 487694

Ion Ratio Lower Upper

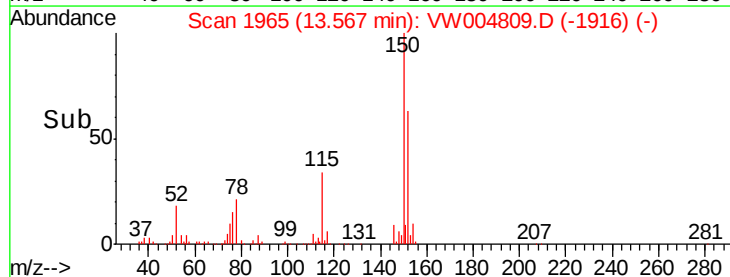
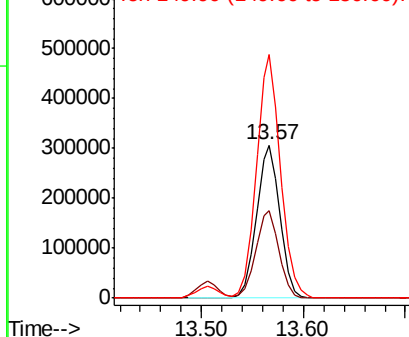
152 100

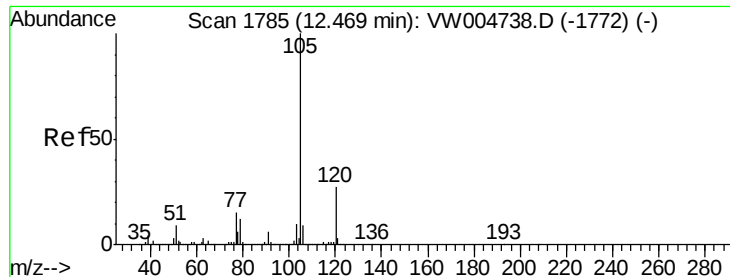
115 57.0 28.5 85.5

150 164.0 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.67 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampled :

VW0820SBS02

Tot Ion: 105 Resp: 685925

Ion Ratio Lower Upper

105 100

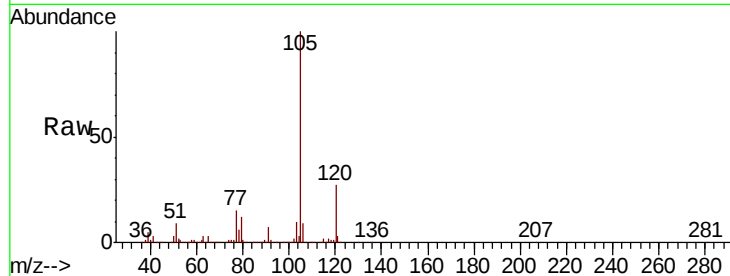
120 26.8 13.3 39.9

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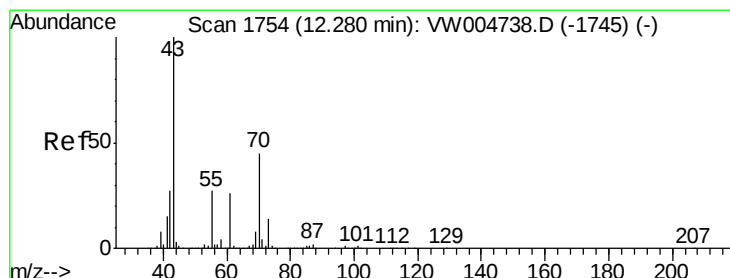
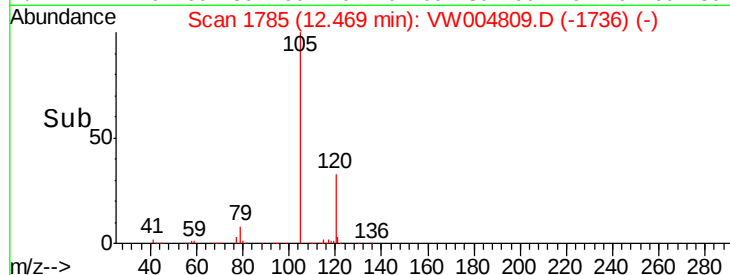
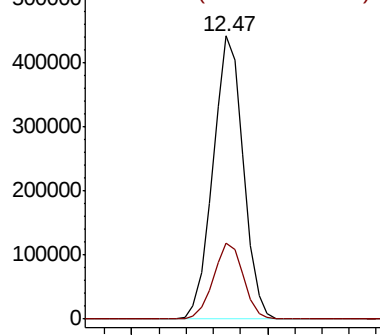
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.57 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion: 43 Resp: 139890

Ion Ratio Lower Upper

43 100

70 45.6 36.3 54.5

55 30.1 22.6 33.8

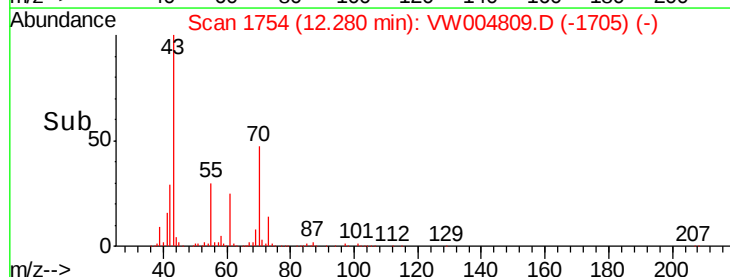
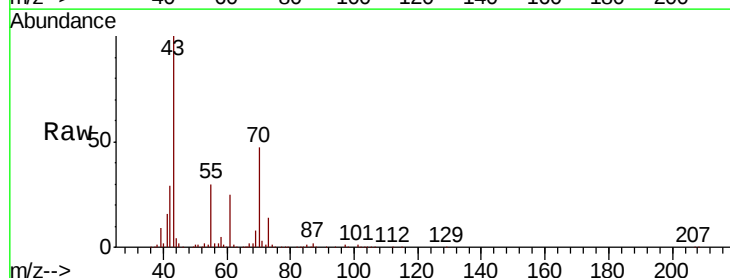
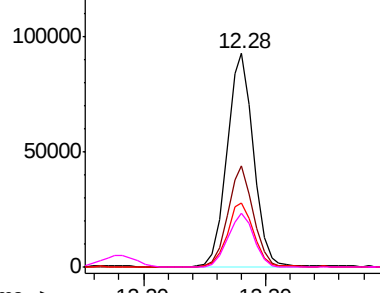
61 24.9 20.2 30.4

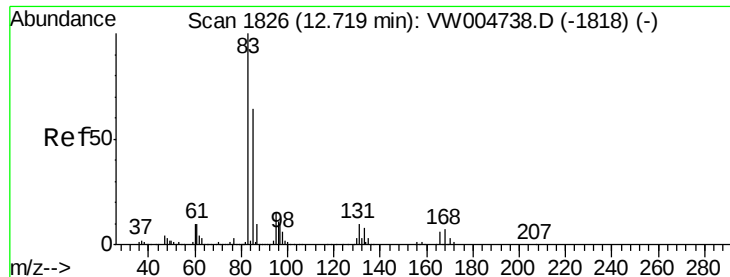
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.15 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

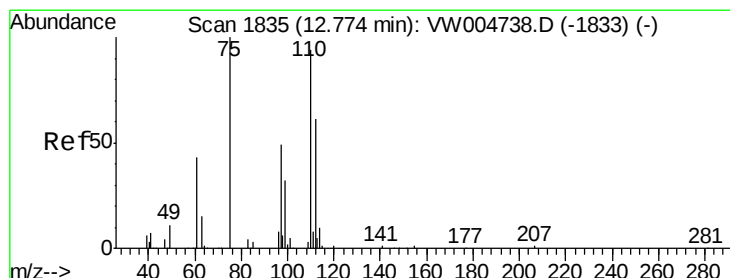
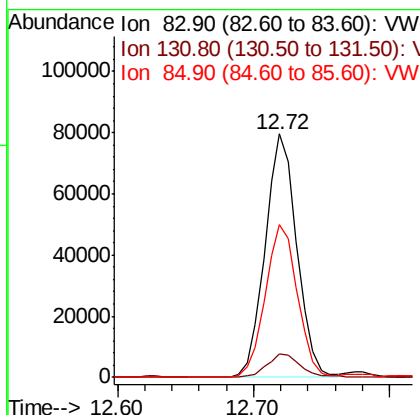
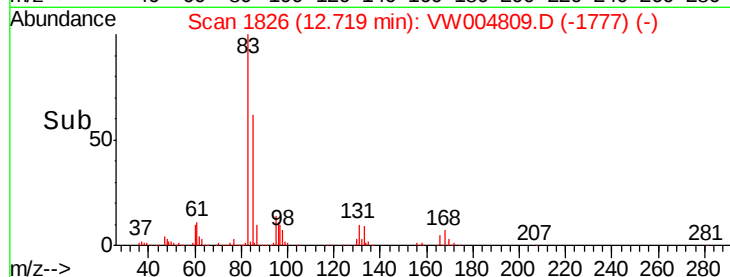
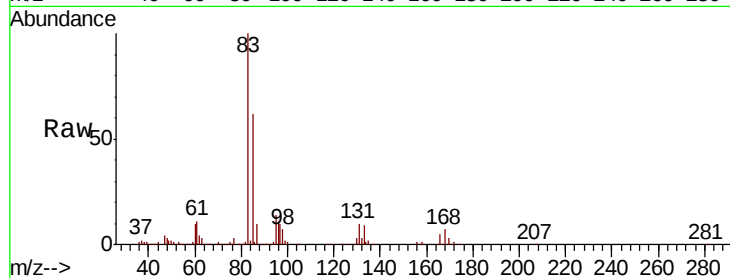
ClientSampleId :

VW0820SBS02

Tot Ion:	83	Resp:	130003
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	63.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.63 ug/l m

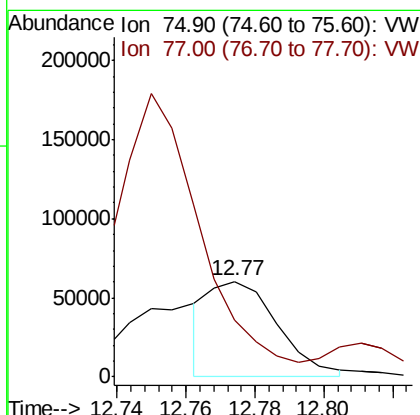
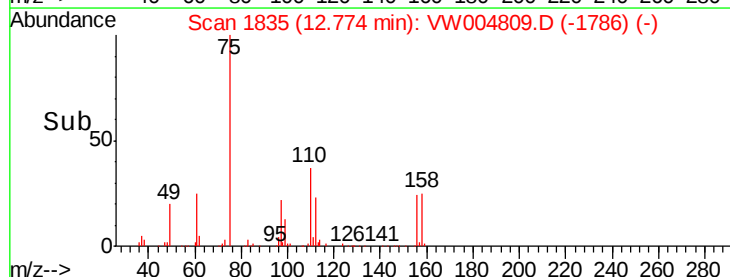
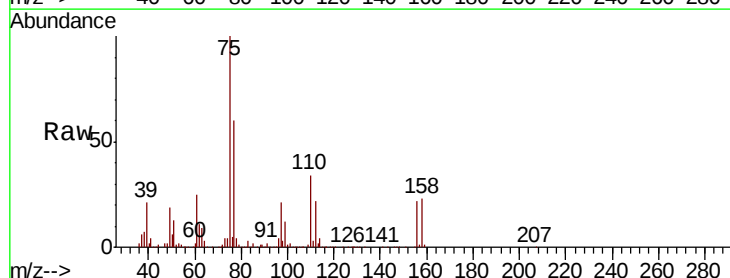
RT: 12.77 min Scan# 1835

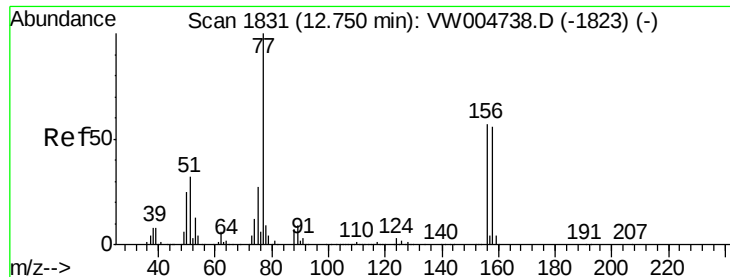
Delta R.T. -0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion:	75	Resp:	84397
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





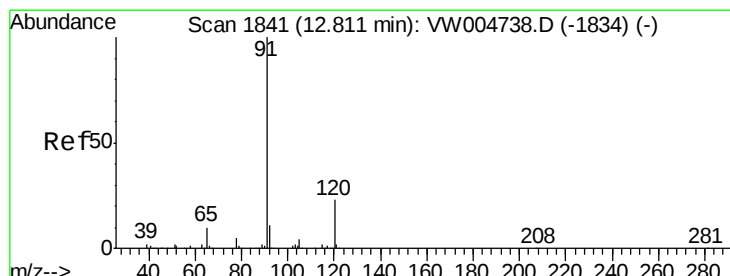
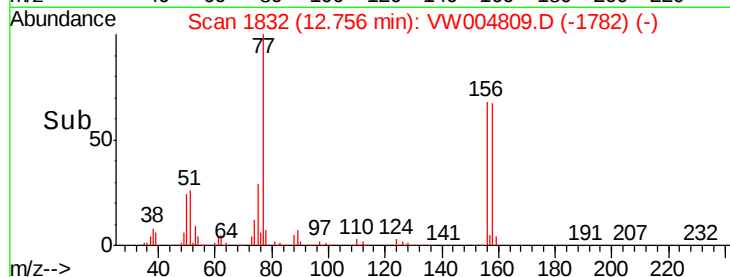
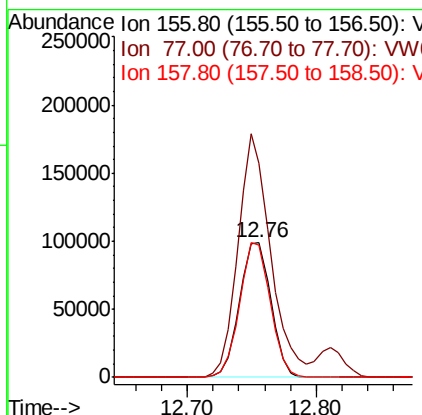
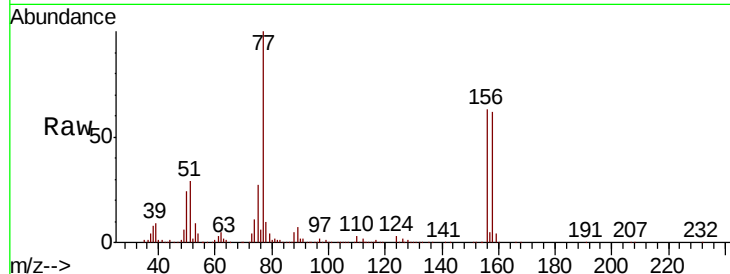
#77
Bromobenzene
Concen: 20.80 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.4	94.2	282.4
158	97.7	48.6	145.9

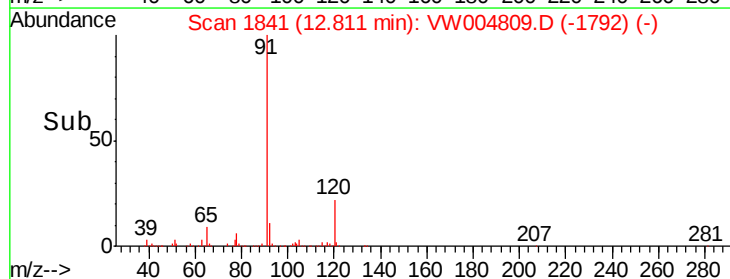
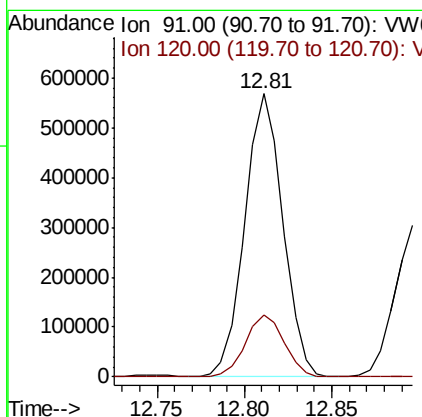
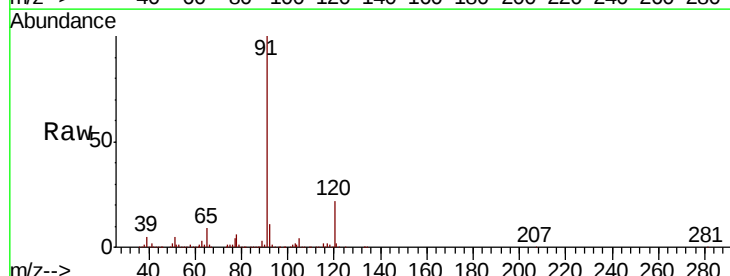
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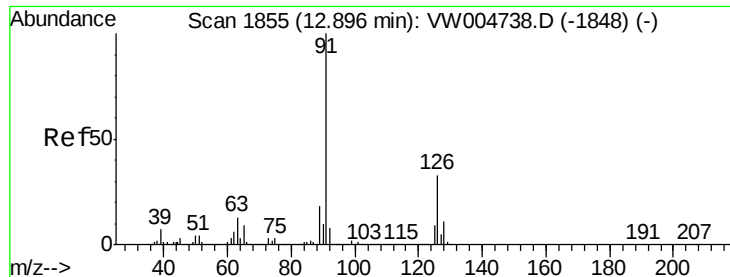
apatel
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#78
n-propylbenzene
Concen: 21.18 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.4	34.2





#79

2-Chlorotoluene

Concen: 21.17 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 91 Resp: 494069

Ion Ratio Lower Upper

91 100

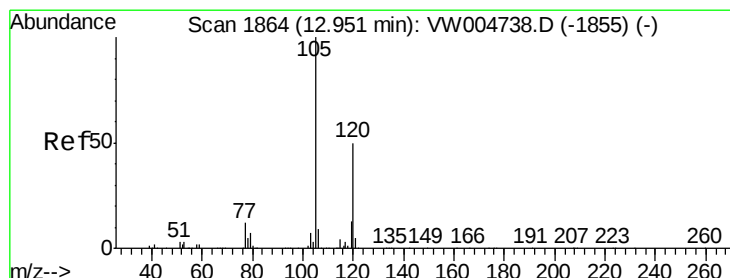
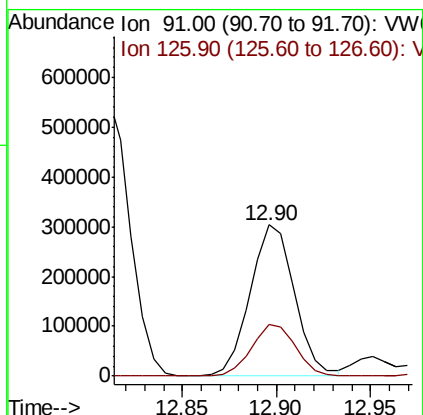
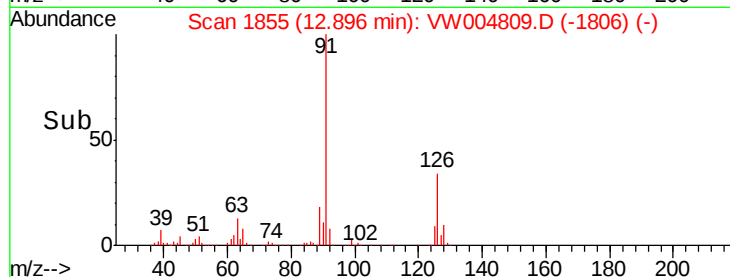
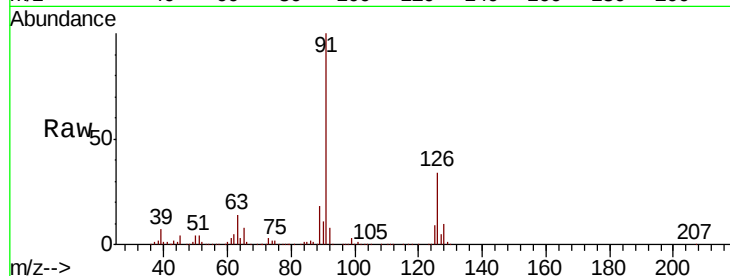
126 33.8 17.0 51.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.47 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004809.D

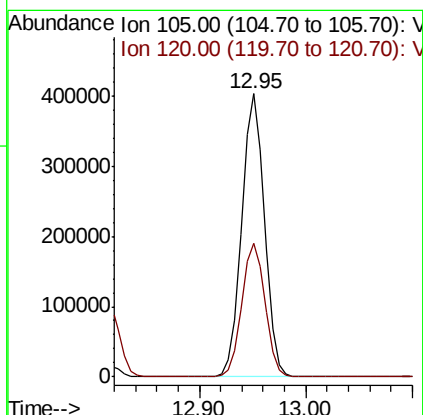
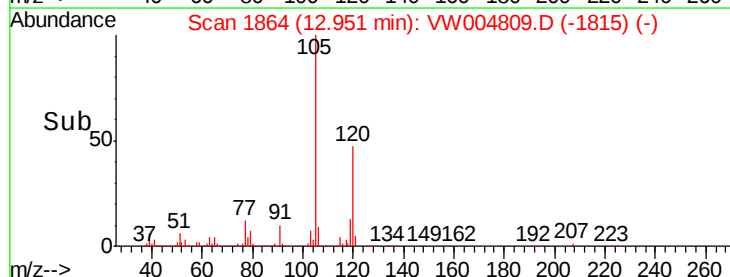
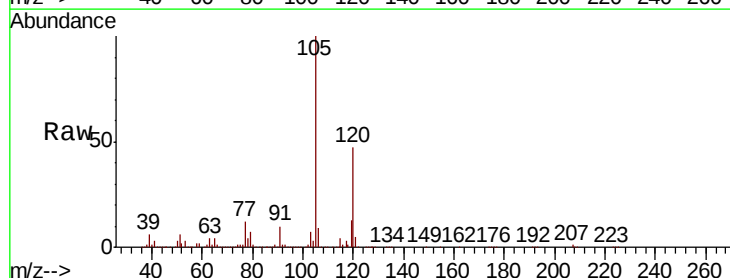
Acq: 21 Aug 2018 00:45

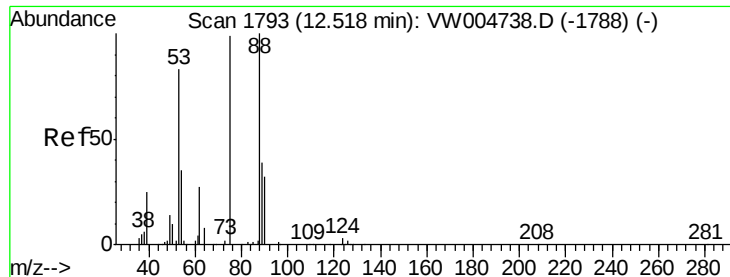
Tgt Ion:105 Resp: 605256

Ion Ratio Lower Upper

105 100

120 48.5 24.7 74.1





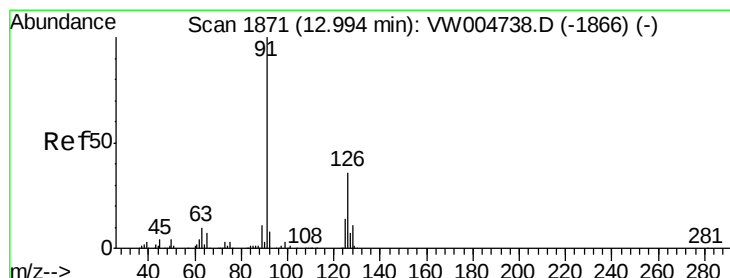
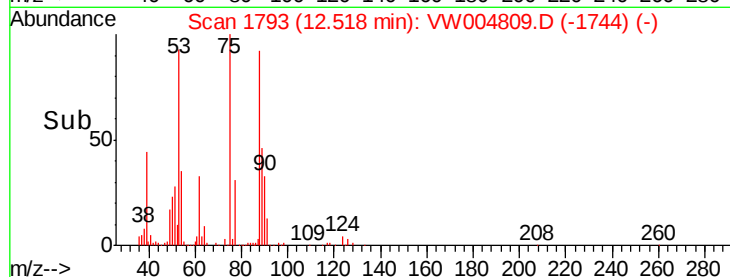
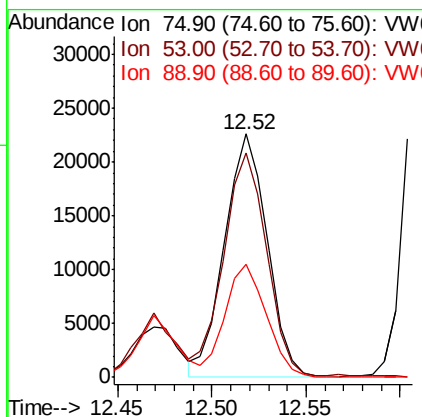
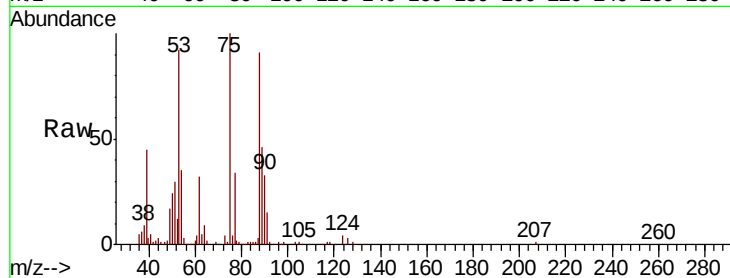
#81
trans-1,4-Dichloro-2-butene
Concen: 19.04 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampled :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	72.2	108.4
89	45.2	35.2	52.8

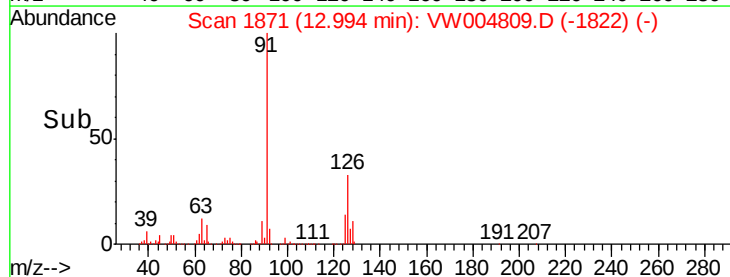
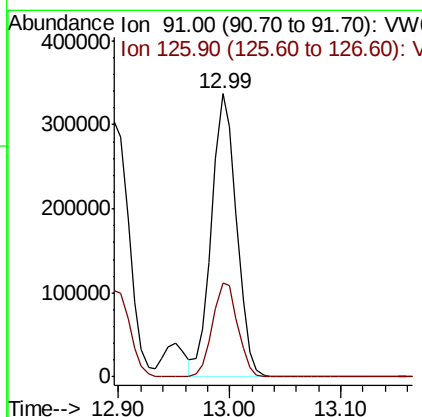
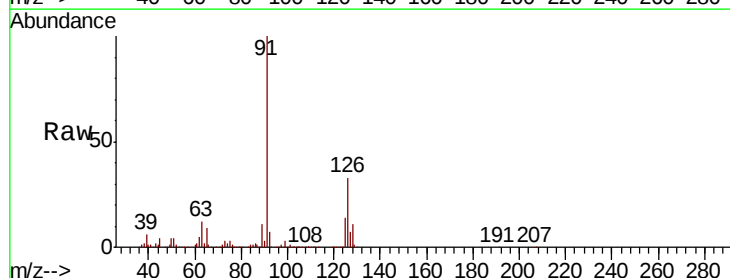
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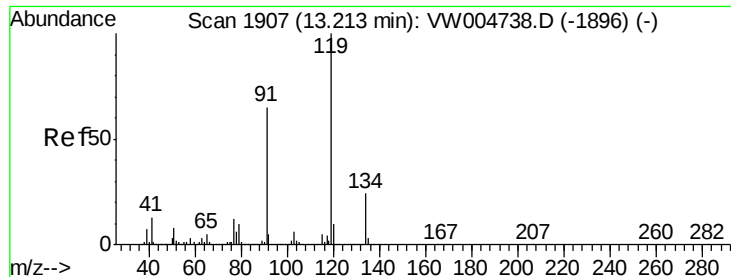
apatel
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#82
4-Chlorotoluene
Concen: 21.12 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.7





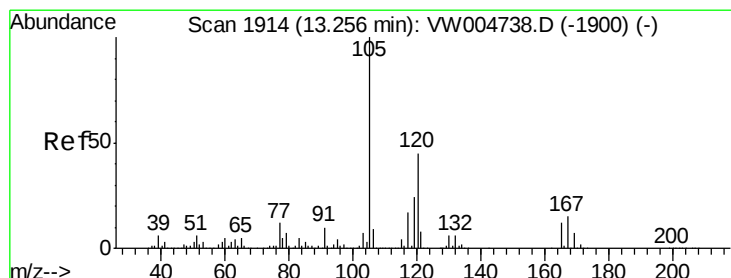
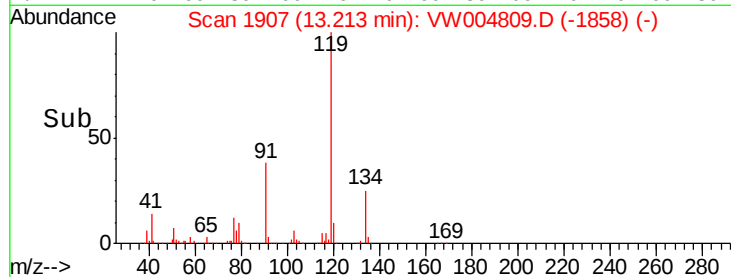
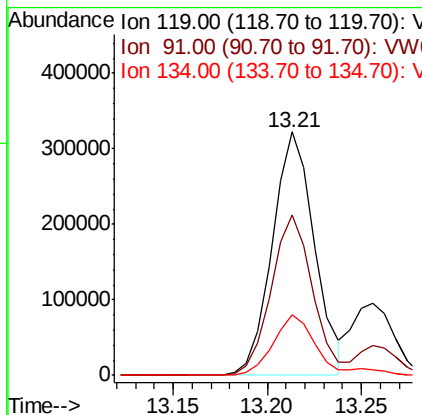
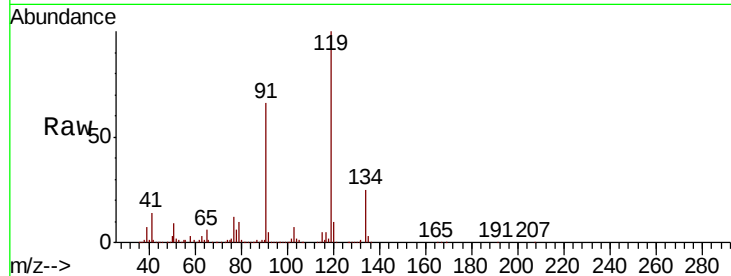
#83
tert-Butylbenzene
Concen: 20.71 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.6	97.8
134	24.6	13.1	39.3

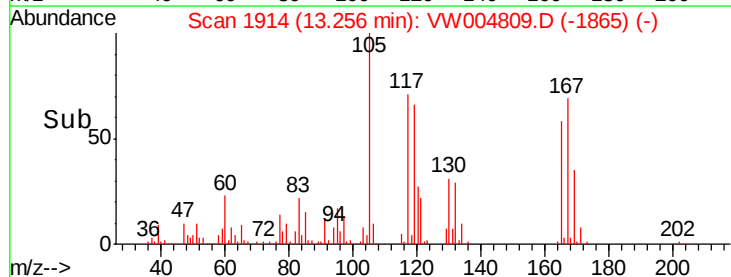
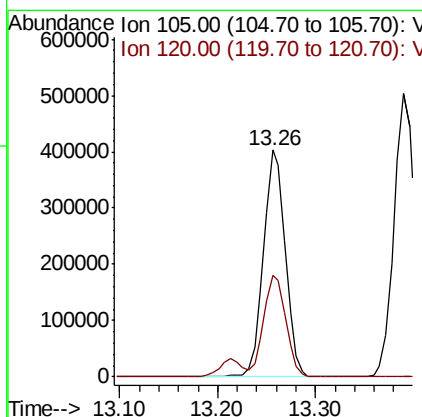
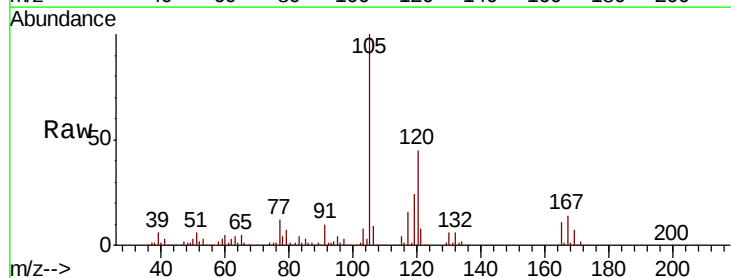
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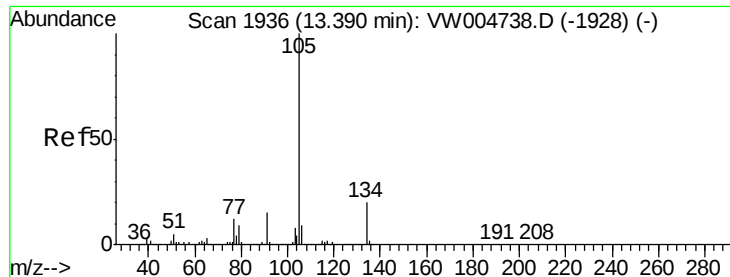
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#84
1,2,4-Trimethylbenzene
Concen: 21.53 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.8	68.3





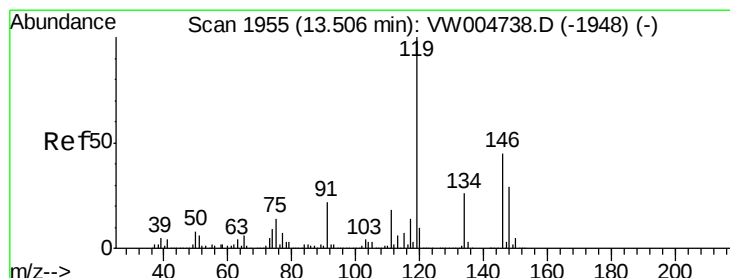
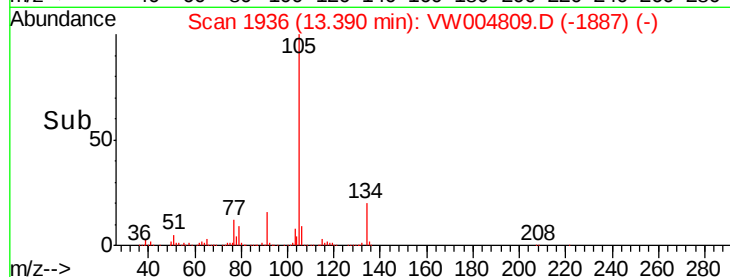
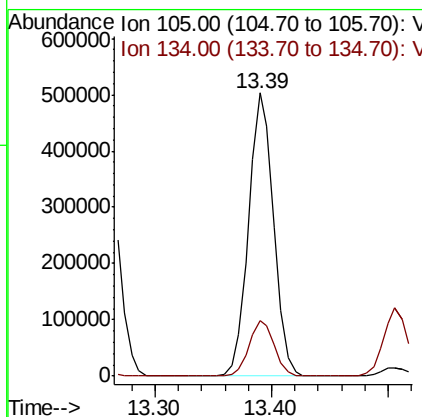
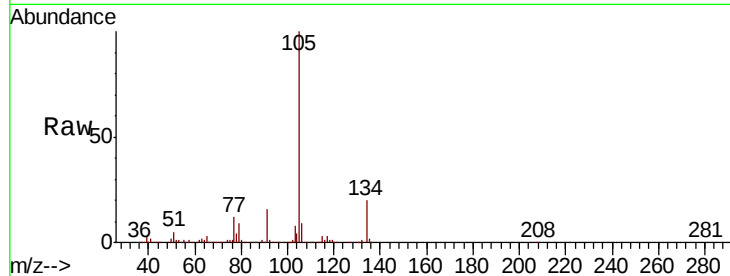
#85
 sec-Butylbenzene
 Concen: 20.86 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampled :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	29.8

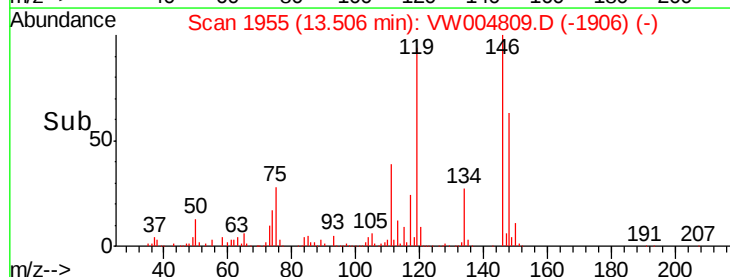
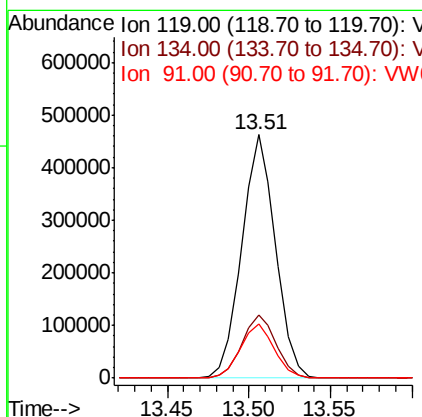
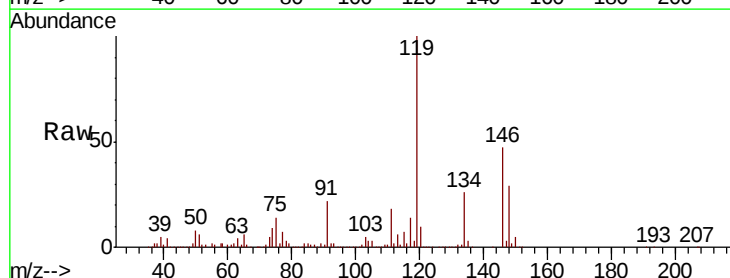
Manual Integrations
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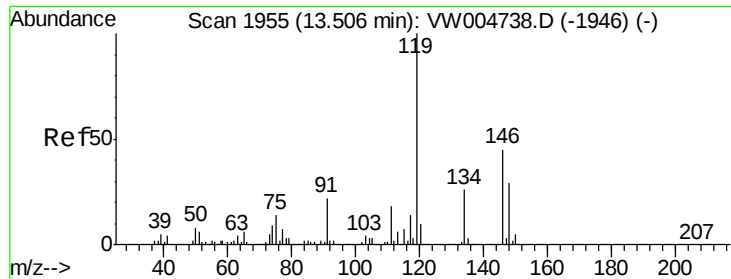
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#86
 p-Isopropyltoluene
 Concen: 21.10 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	22.4	11.2	33.5





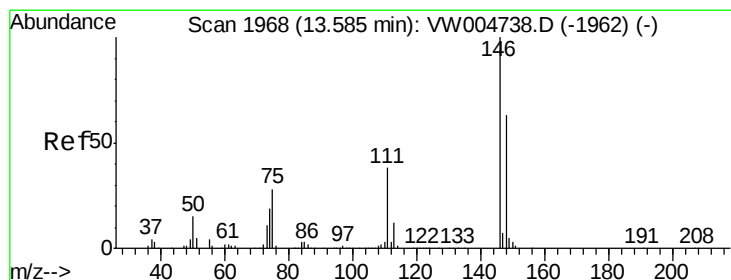
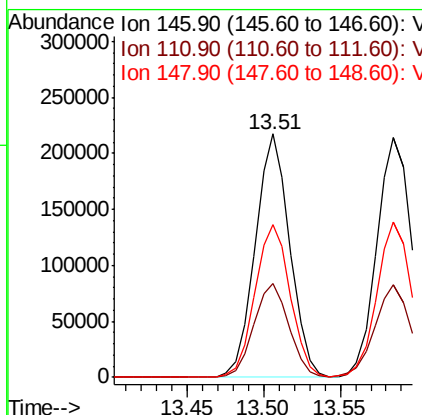
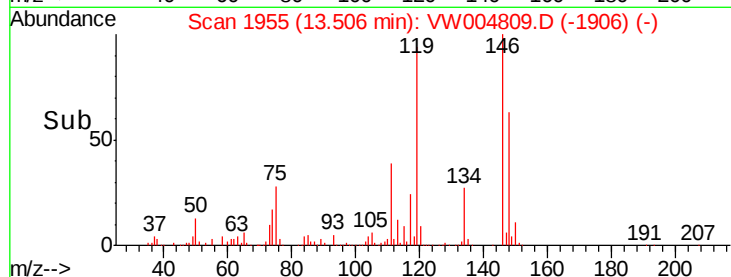
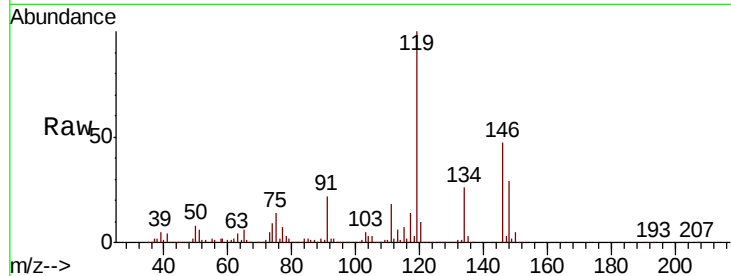
#87
 1,3-Dichlorobenzene
 Concen: 20.88 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.9	31.9	95.9

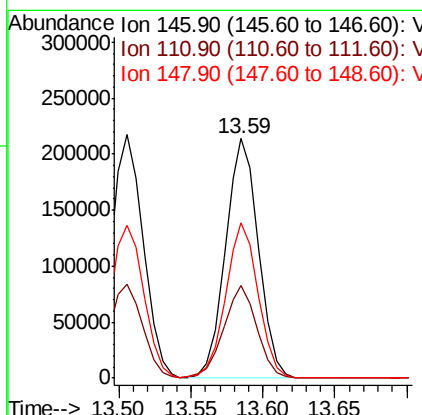
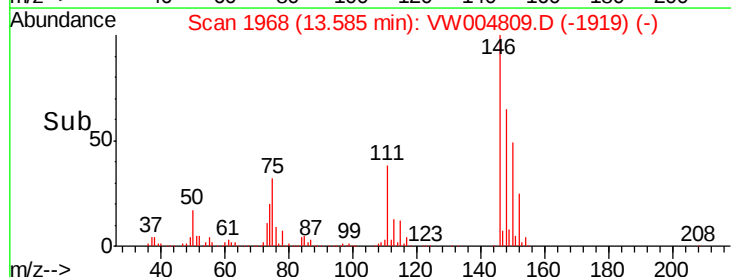
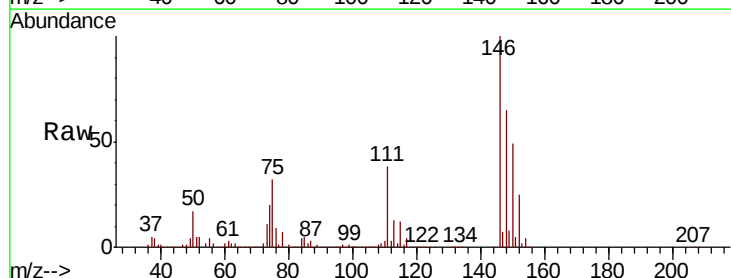
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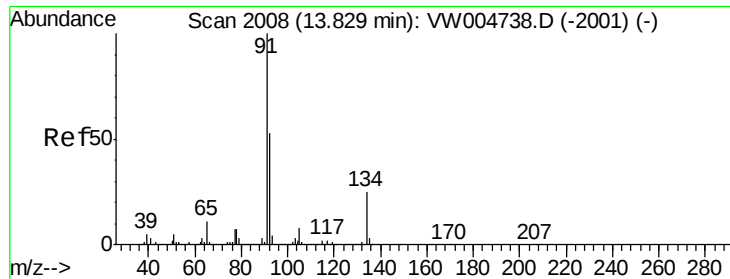
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.84 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.8
148	64.0	31.8	95.3





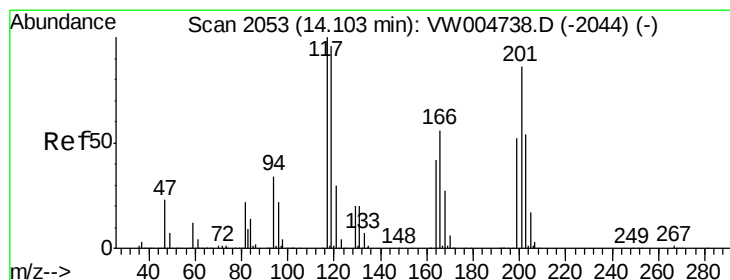
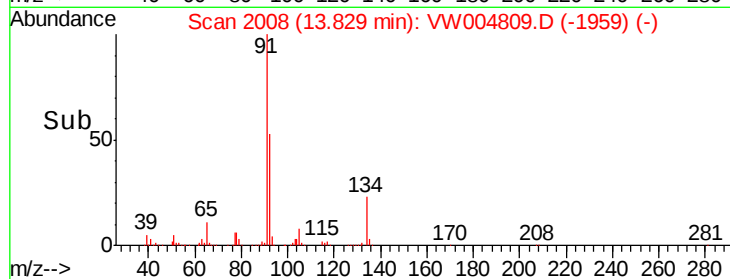
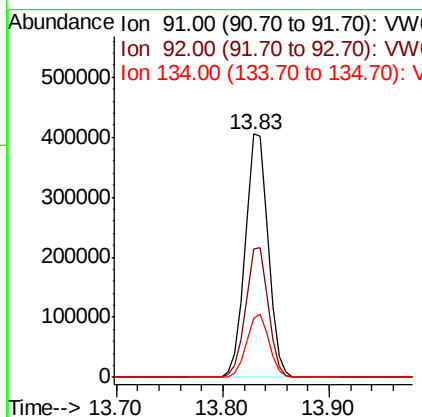
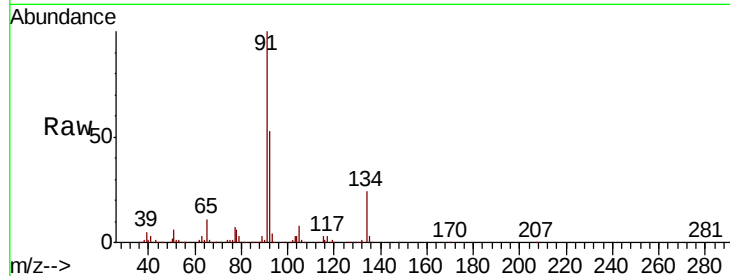
#89
n-Butylbenzene
Concen: 20.28 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.2
134	25.7	12.8	38.3

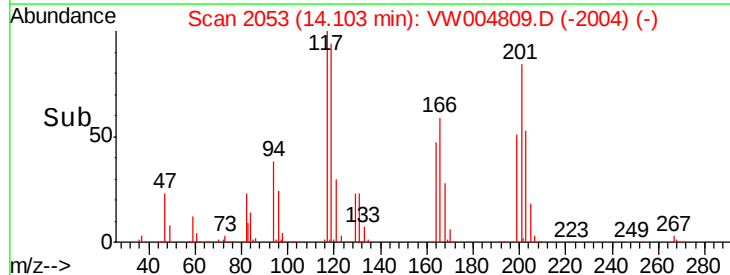
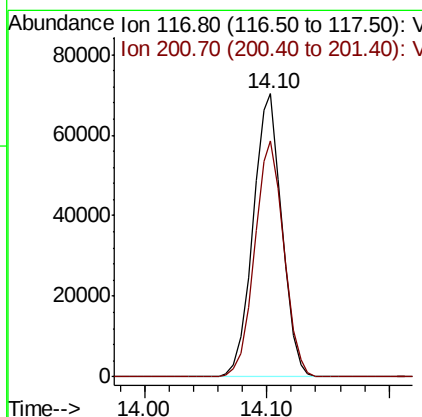
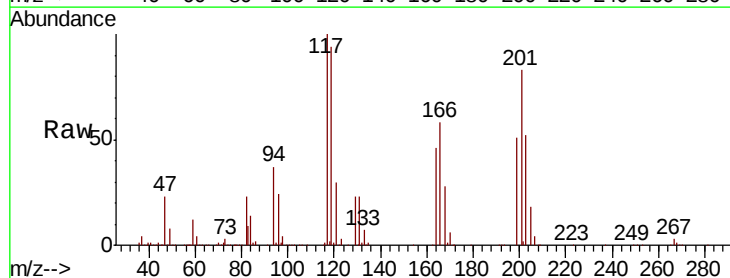
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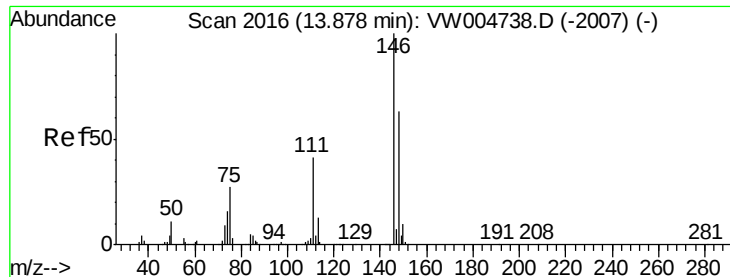
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#90
Hexachloroethane
Concen: 20.19 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	42.4	127.2





#91

1,2-Dichlorobenzene

Concen: 20.65 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Instrument :

MSVOA_W

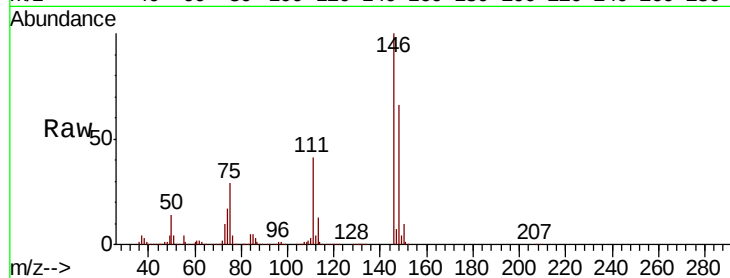
ClientSampled :

VW0820SBS02

Tot Ion:	146	Resp:	303051
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.4	61.3
148	65.5	31.6	95.0

Manual Integrations
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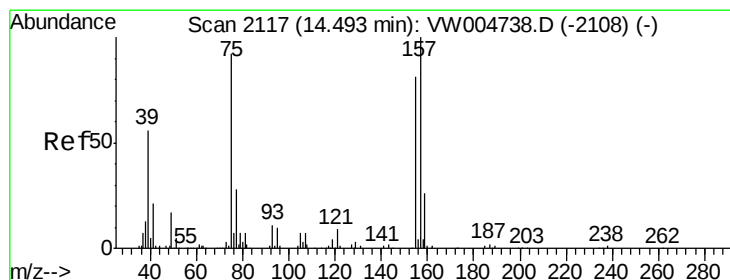
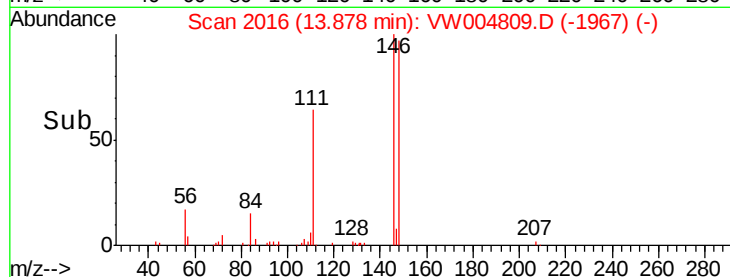
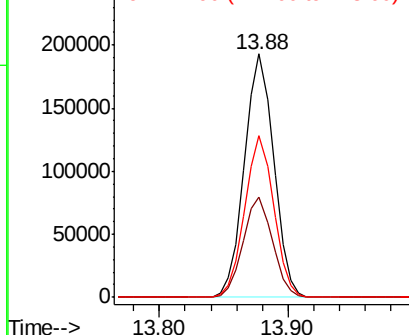


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.78 ug/l

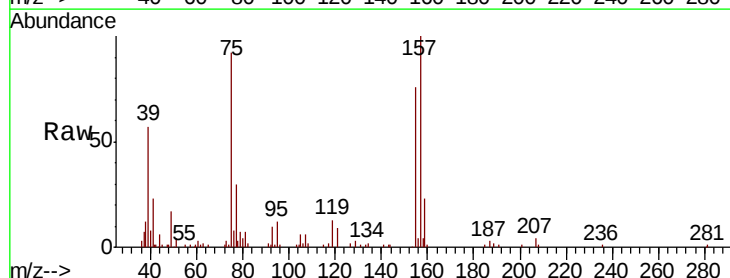
RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004809.D

Acq: 21 Aug 2018 00:45

Tgt Ion:	75	Resp:	19963
Ion Ratio	Lower	Upper	
75	100		
155	80.1	43.3	129.9
157	106.3	54.5	163.6

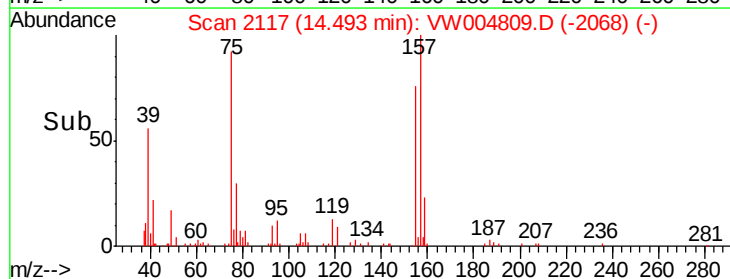
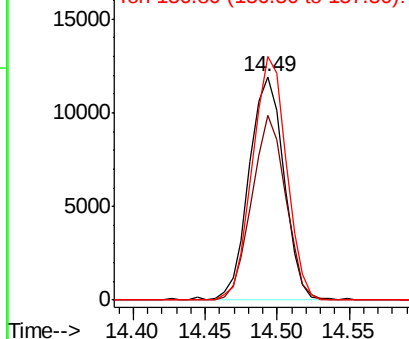


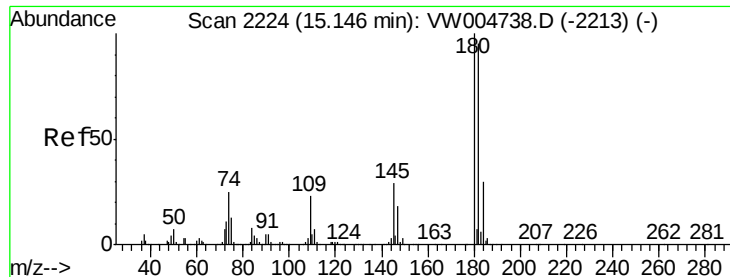
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





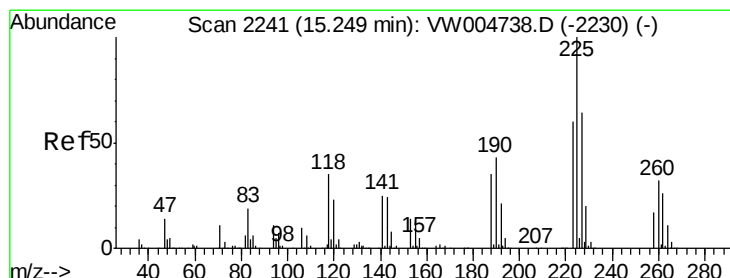
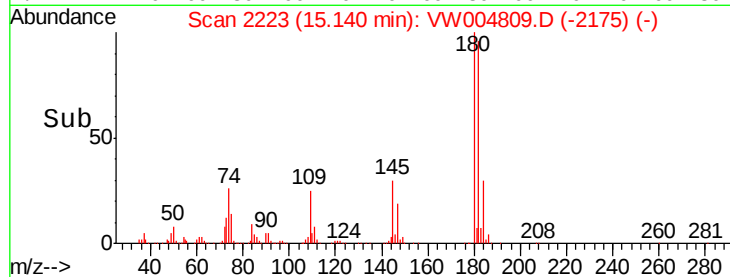
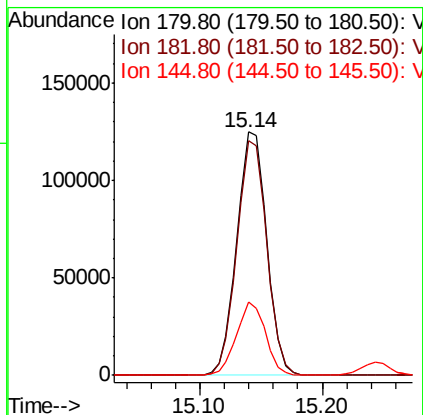
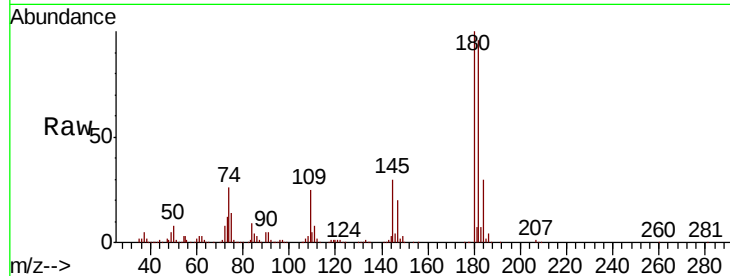
#93
 1,2,4-Trichlorobenzene
 Concen: 20.38 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion:	180	Resp:	211462
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.3	141.8
145	29.2	14.6	43.8

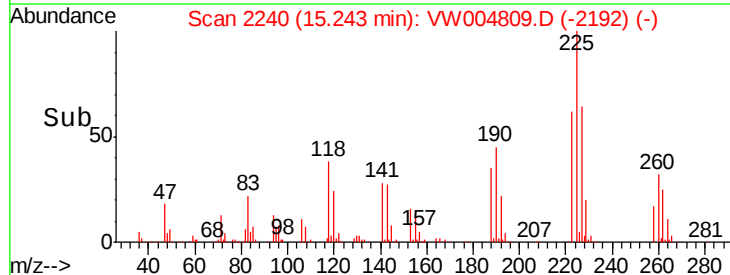
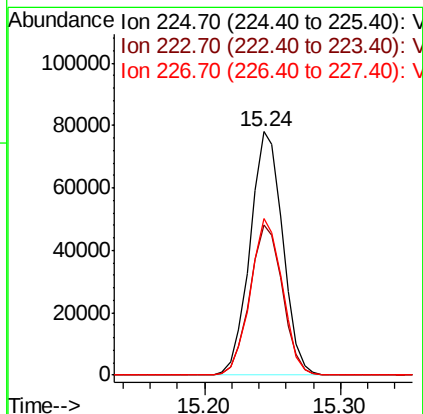
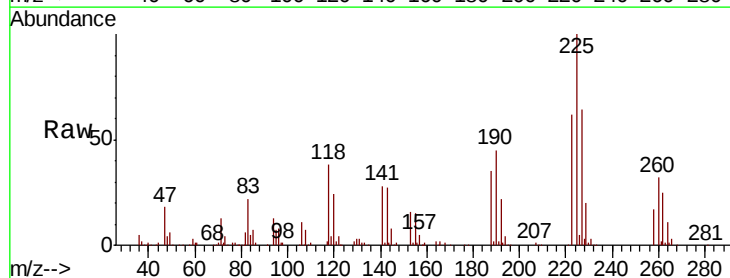
Manual Integrations
 APPROVED

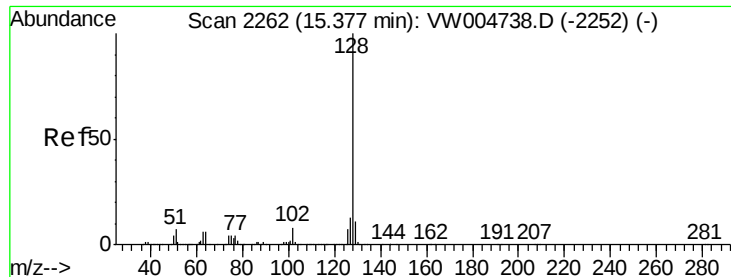
apatel
 8/21/2018 12:47:35 PM



#94
 Hexachlorobutadiene
 Concen: 20.41 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004809.D
 Acq: 21 Aug 2018 00:45

Tgt Ion:	225	Resp:	129996
Ion Ratio	Lower	Upper	
225	100		
223	61.7	30.9	92.5
227	62.9	32.0	96.0





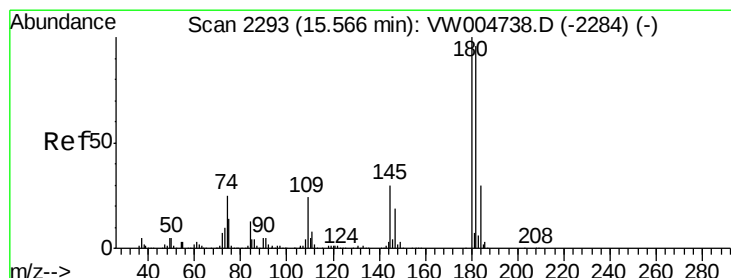
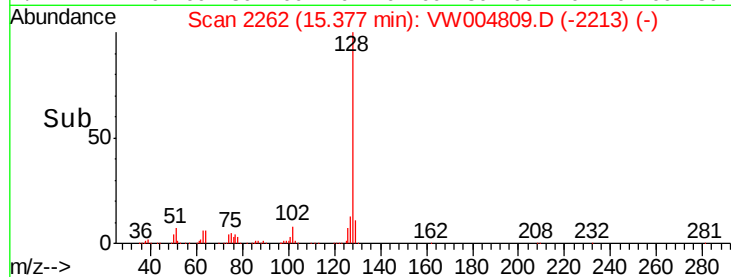
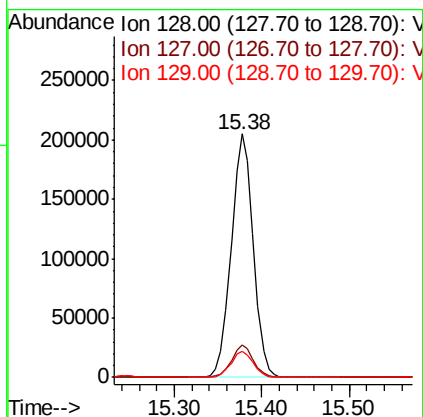
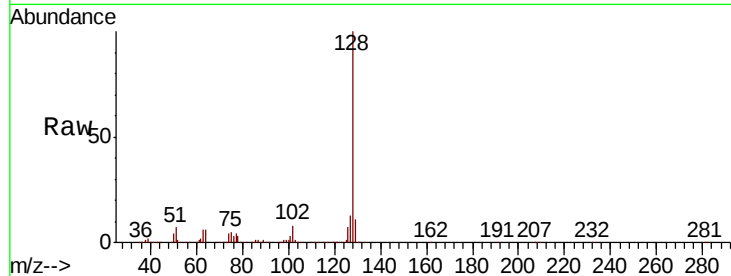
#95
Naphthalene
Concen: 20.10 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
8/21/2018 12:47:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.74 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004809.D
Acq: 21 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	31.0	15.4	46.1

