

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004316.D
 Acq On : 29 Jul 2018 16:30
 Operator : SY/AP
 Sample : VW0730SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Manual Integrations
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apatel
 7/30/2018 10:32:54 AM

Quant Time: Jul 30 04:52:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	409697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	371573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	193849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144238	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.88	113	131961	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.33	98	529776	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.62	95	190620	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	20958	23.31	ug/l	96
3) Chloromethane	2.21	50	27962	21.39	ug/l	96
4) Vinyl Chloride	2.36	62	35333	12.33	ug/l	98
5) Bromomethane	2.77	94	32105	19.61	ug/l	99
6) Chloroethane	2.92	64	29667	19.76	ug/l	91
7) Trichlorofluoromethane	3.25	101	24309	14.78	ug/l	95
8) Diethyl Ether	3.67	74	31005	26.41	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	56202	22.48	ug/l	97
10) Methyl Iodide	4.26	142	76500	20.34	ug/l	99
11) Tert butyl alcohol	5.17	59	22677	127.33	ug/l	99
12) 1,1-Dichloroethene	4.03	96	55932	22.43	ug/l	99
13) Acrolein	3.89	56	17661	109.41	ug/l	98
14) Allyl chloride	4.66	41	87738	21.47	ug/l	99
15) Acrylonitrile	5.37	53	68471	117.78	ug/l	99
16) Acetone	4.12	43	66247	107.71	ug/l	96
17) Carbon Disulfide	4.37	76	162165	20.62	ug/l	98
18) Methyl Acetate	4.67	43	34141	23.54	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	99772	21.66	ug/l	98
20) Methylene Chloride	4.90	84	56948	21.47	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	56319	20.85	ug/l	97
22) Diisopropyl ether	6.31	45	177497	22.23	ug/l	98
23) Vinyl Acetate	6.26	43	519746	112.18	ug/l	100
24) 1,1-Dichloroethane	6.21	63	104218	20.92	ug/l	100
25) 2-Butanone	7.17	43	91153	123.37	ug/l	97
26) 2,2-Dichloropropane	7.17	77	57773	19.36	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	61797	21.57	ug/l	96
28) Bromochloromethane	7.51	49	42067	23.34	ug/l	99
29) Tetrahydrofuran	7.53	42	59732	118.55	ug/l	99
30) Chloroform	7.68	83	103446	21.06	ug/l	97
31) Cyclohexane	7.95	56	93637	20.62	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	83359	20.66	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82662	20.17	ug/l	99
37) Ethyl Acetate	7.26	43	39211	23.35	ug/l	98
38) Carbon Tetrachloride	8.07	117	77853	19.24	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93993	19.03	ug/l	98
40) Benzene	8.32	78	236105	20.48	ug/l	100
41) Methacrylonitrile	7.49	41	23404	22.46	ug/l	98
42) 1,2-Dichloroethane	8.40	62	69194	20.99	ug/l	100
43) Isopropyl Acetate	8.43	43	73179	24.18	ug/l	97
44) Trichloroethene	9.09	130	60770	19.52	ug/l	99
45) 1,2-Dichloropropane	9.37	63	61172	21.38	ug/l	99
46) Dibromomethane	9.46	93	31724	21.71	ug/l	99
47) Bromodichloromethane	9.65	83	75723	20.43	ug/l	99
48) Methyl methacrylate	9.44	41	34778	22.56	ug/l	97
49) 1,4-Dioxane	9.45	88	10438	471.29	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	200083	120.44	ug/l	100
52) Toluene	10.39	92	149437	20.64	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	75671	20.39	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	90526	20.92	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	44386	21.32	ug/l	96
56) Ethyl methacrylate	10.65	69	54941	21.81	ug/l	98
57) 1,3-Dichloropropane	10.94	76	77085	21.74	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	130041	116.21	ug/l	99
59) 2-Hexanone	10.98	43	133652	117.17	ug/l	100
60) Dibromochloromethane	11.13	129	50514	20.28	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41684	21.00	ug/l	98
64) Tetrachloroethene	10.87	164	54119	19.88	ug/l	97
65) Chlorobenzene	11.66	112	159985	20.50	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	55462	20.15	ug/l	98
67) Ethyl Benzene	11.74	91	266063	19.56	ug/l	96
68) m/p-Xylenes	11.85	106	214819	41.04	ug/l	97
69) o-Xylene	12.17	106	100340	20.75	ug/l	97
70) Styrene	12.19	104	170680	20.89	ug/l	98
71) Bromoform	12.35	173	31056	20.13	ug/l #	100
73) Isopropylbenzene	12.47	105	275265	20.48	ug/l	99
74) N-amyl acetate	12.28	43	70497	22.98	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	53968	22.92	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	43396m	24.53	ug/l	
77) Bromobenzene	12.75	156	66552	20.49	ug/l	96
78) n-propylbenzene	12.81	91	333076	20.34	ug/l	98
79) 2-Chlorotoluene	12.90	91	196813	21.01	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	238953	20.64	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16541	21.76	ug/l	98
82) 4-Chlorotoluene	12.99	91	203759	20.56	ug/l	100
83) tert-Butylbenzene	13.21	119	191668	19.87	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	248211	21.02	ug/l	98
85) sec-Butylbenzene	13.39	105	292924	20.79	ug/l	98
86) p-Isopropyltoluene	13.51	119	254821	20.14	ug/l	96
87) 1,3-Dichlorobenzene	13.51	146	136180	20.95	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	136285	21.01	ug/l	98
89) n-Butylbenzene	13.84	91	245747	20.79	ug/l	99
90) Hexachloroethane	14.10	117	45877	20.32	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	122005	20.97	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9492	23.09	ug/l	96

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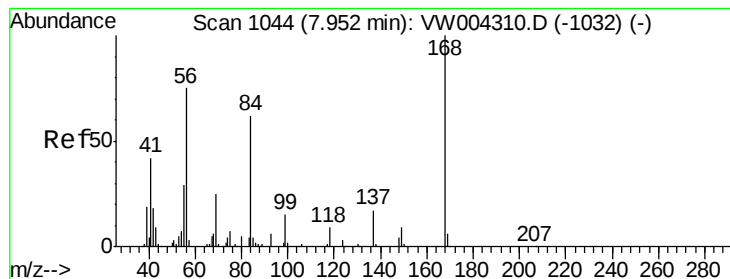
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	86096	21.07	ug/l	99
94) Hexachlorobutadiene	15.24	225	48957	19.61	ug/l	99
95) Naphthalene	15.38	128	155007	22.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	77661	21.72	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: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion:168 Resp: 263739

Ion Ratio Lower Upper

168 100

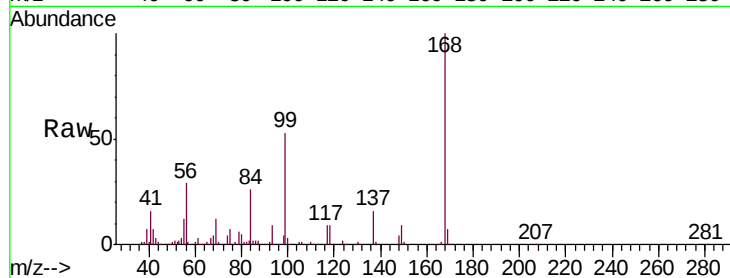
99 52.9 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

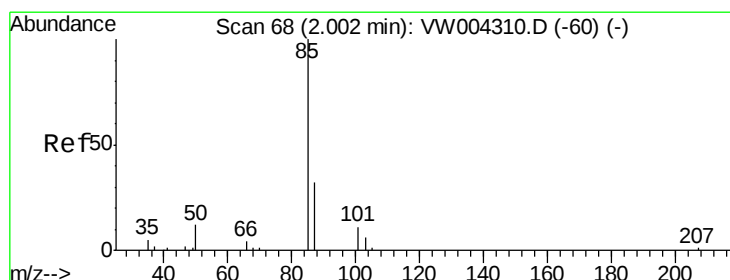
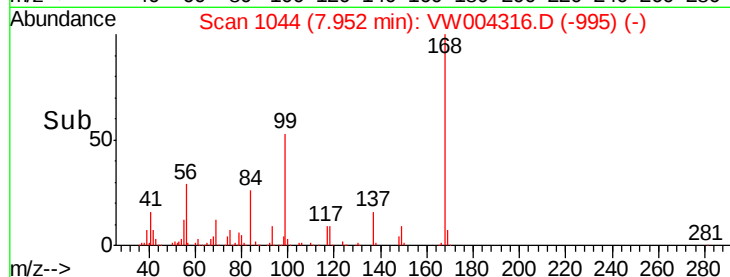
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 23.31 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004316.D

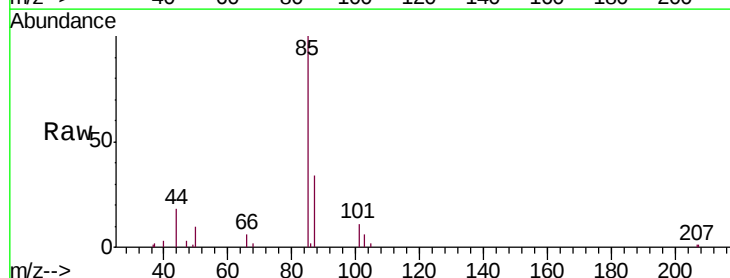
Acq: 29 Jul 2018 16:30

Tgt Ion: 85 Resp: 20958

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

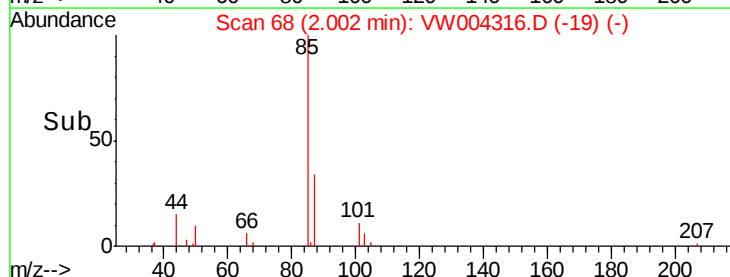
6000

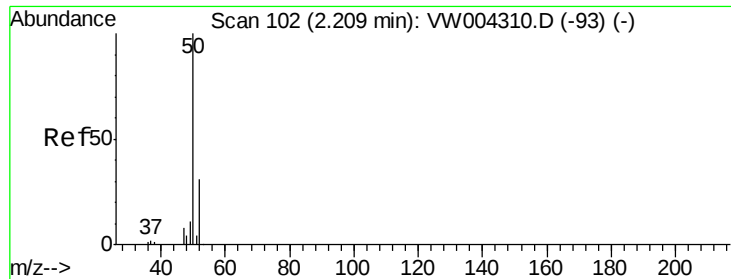
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.39 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 50 Resp: 27962

Ion Ratio Lower Upper

50 100

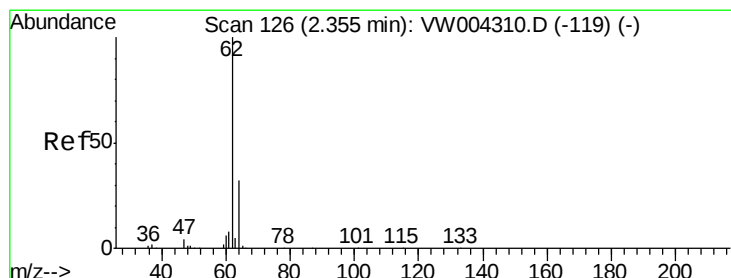
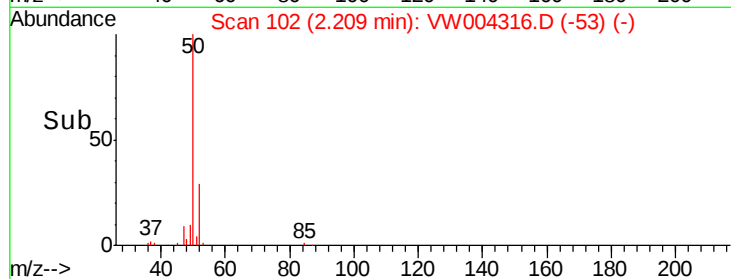
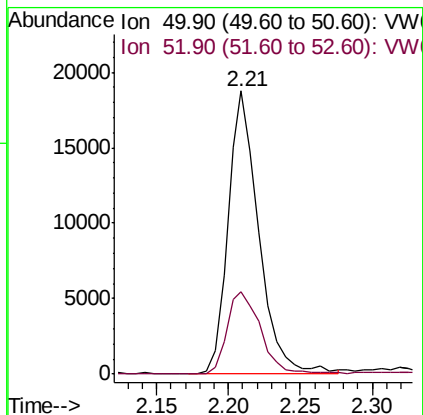
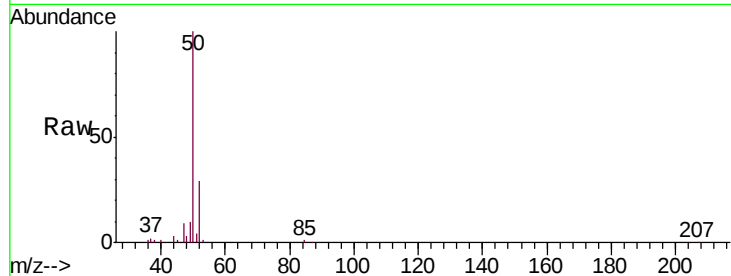
52 29.0 24.8 37.2

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#4

Vinyl Chloride

Concen: 12.33 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004316.D

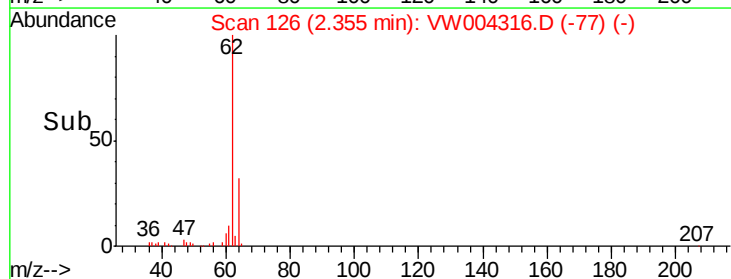
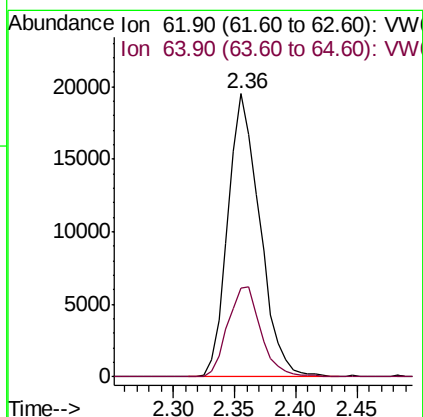
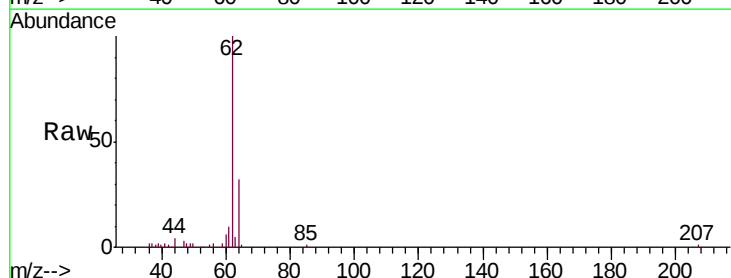
Acq: 29 Jul 2018 16:30

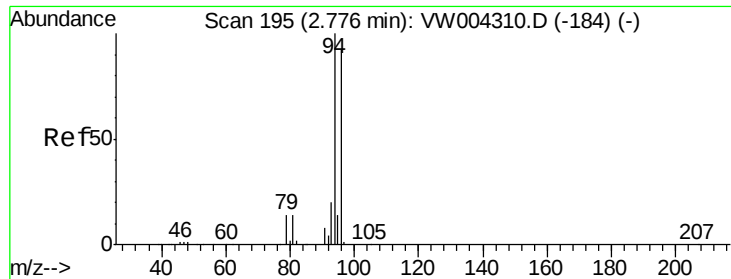
Tgt Ion: 62 Resp: 35333

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 19.61 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 94 Resp: 32105

Ion Ratio Lower Upper

94 100

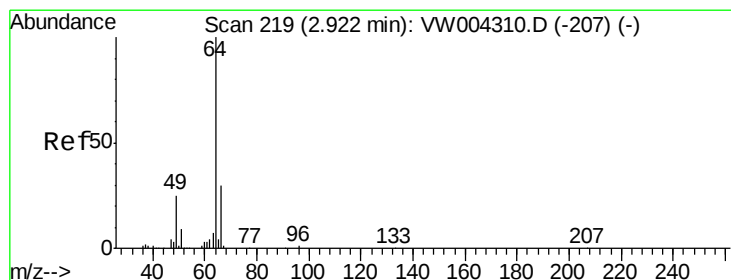
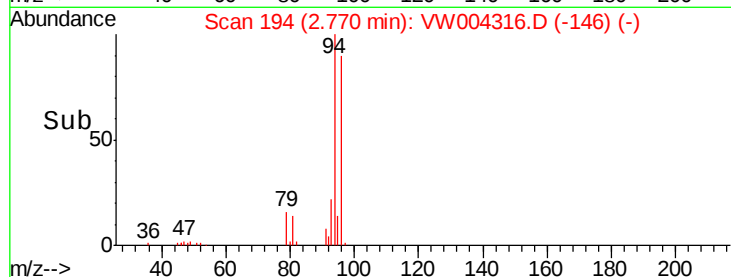
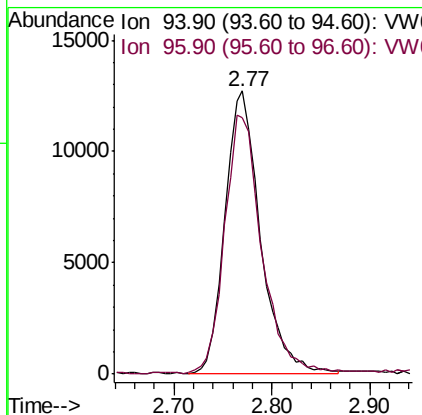
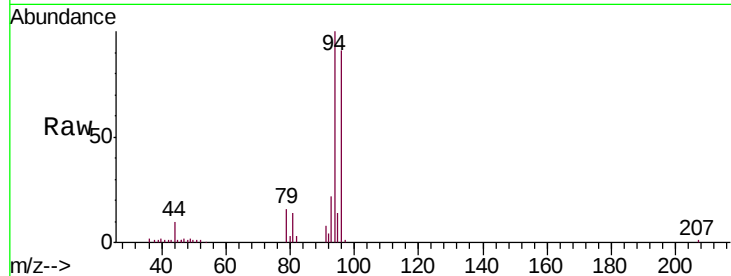
96 90.4 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 19.76 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW004316.D

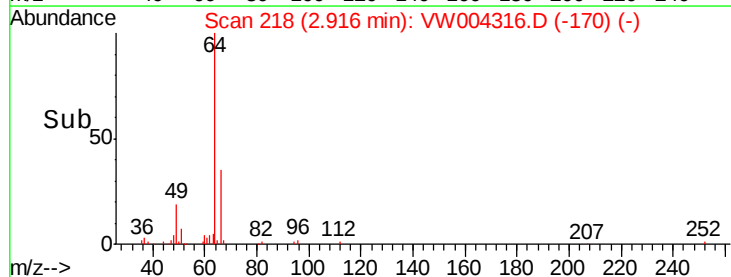
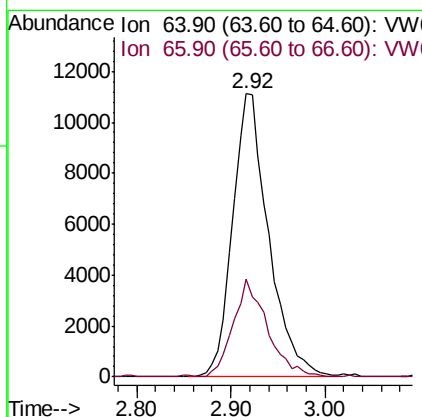
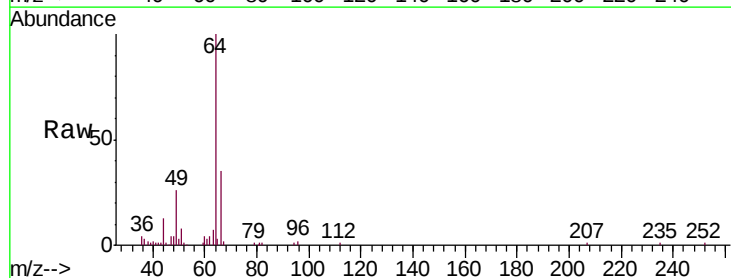
Acq: 29 Jul 2018 16:30

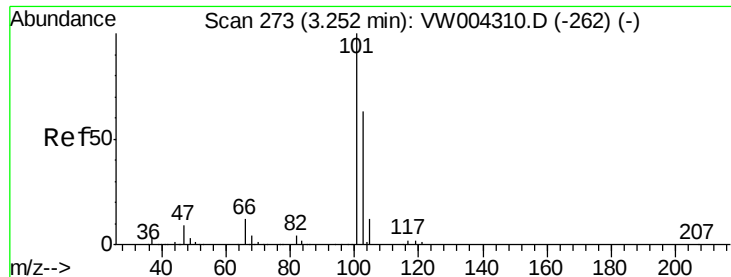
Tgt Ion: 64 Resp: 29667

Ion Ratio Lower Upper

64 100

66 34.6 23.7 35.5





#7

Trichlorofluoromethane

Concen: 14.78 ug/l

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

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ClientSampleId :

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Tot Ion:101 Resp: 24309

Ion Ratio Lower Upper

101 100

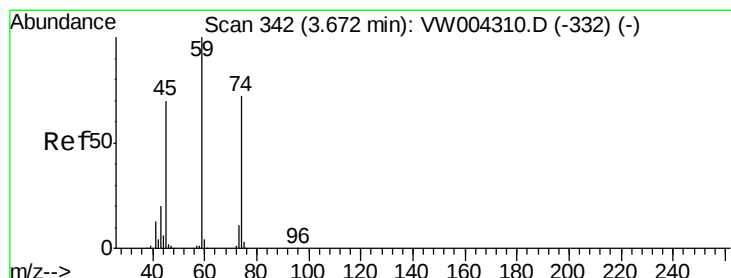
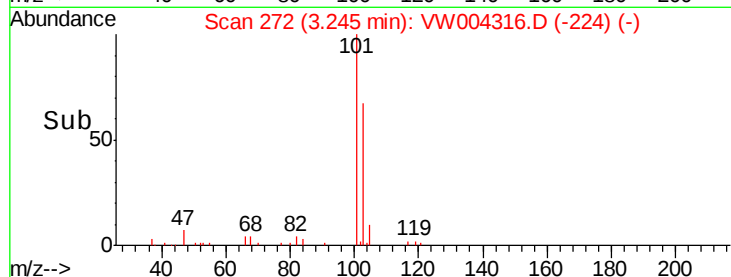
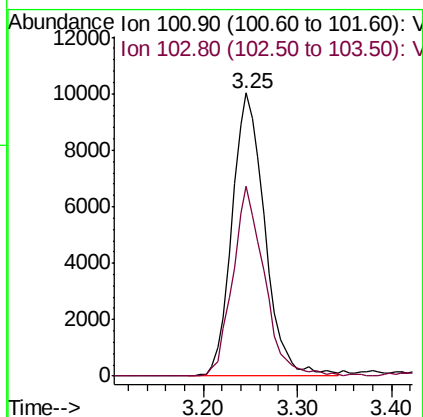
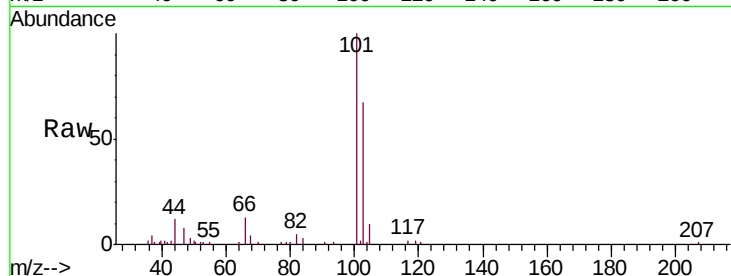
103 67.3 50.8 76.2

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#8

Diethyl Ether

Concen: 26.41 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.00 min

Lab File: VW004316.D

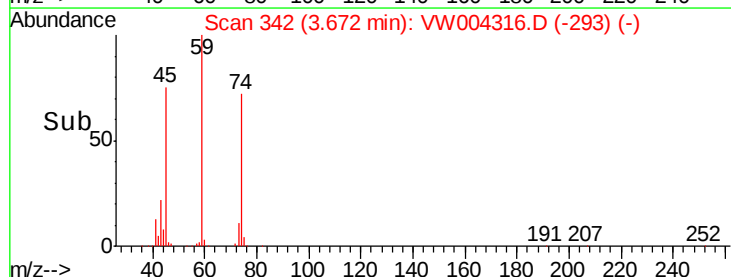
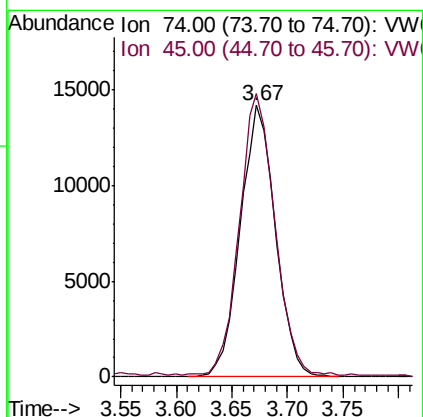
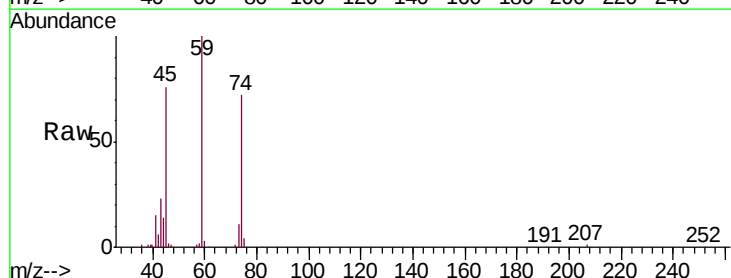
Acq: 29 Jul 2018 16:30

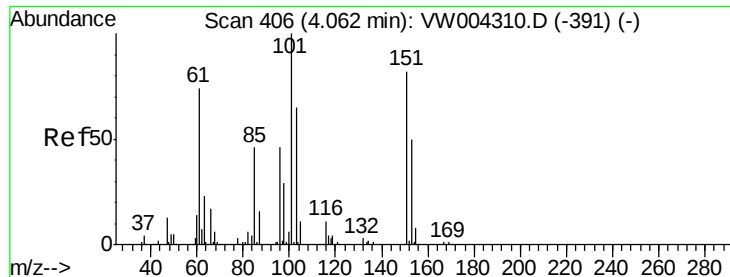
Tgt Ion: 74 Resp: 31005

Ion Ratio Lower Upper

74 100

45 104.5 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.48 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

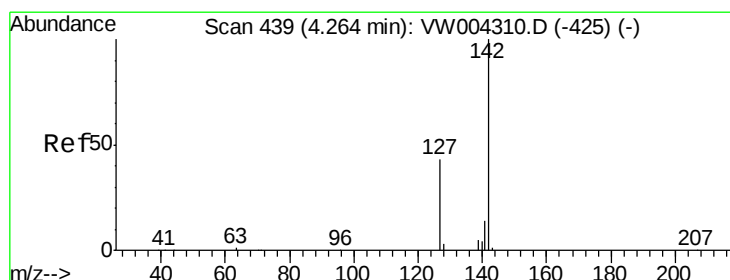
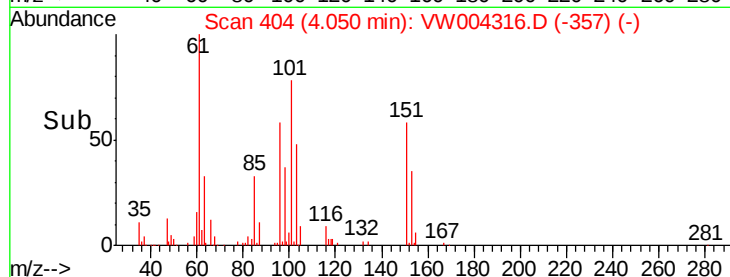
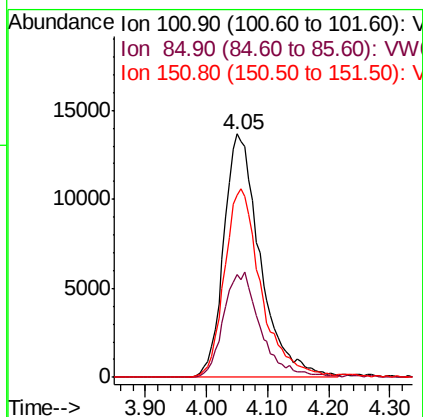
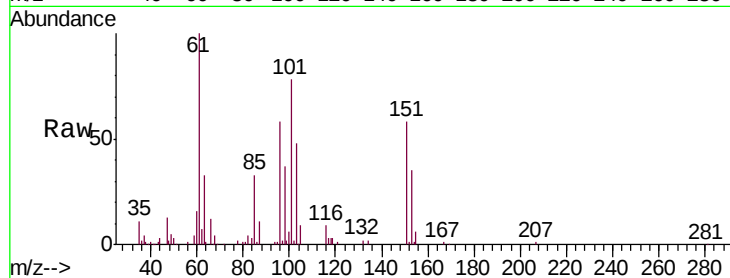
ClientSampleId :

VW0730SBS01

Tot Ion:	101	Resp:	56202
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.5	53.3
151	77.8	64.6	97.0

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#10

Methyl Iodide

Concen: 20.34 ug/l

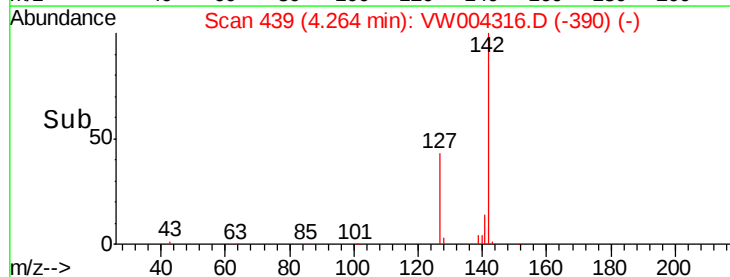
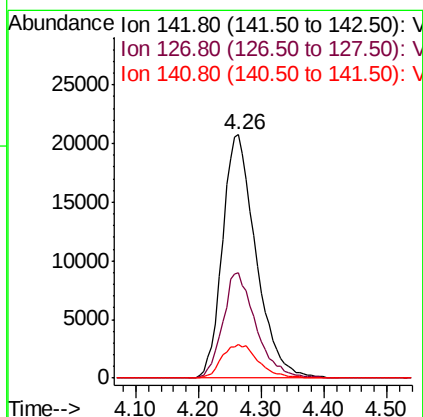
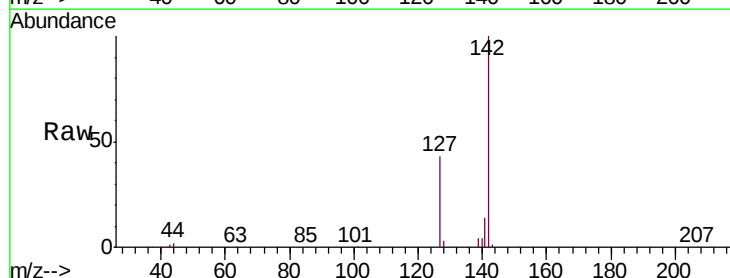
RT: 4.26 min Scan# 439

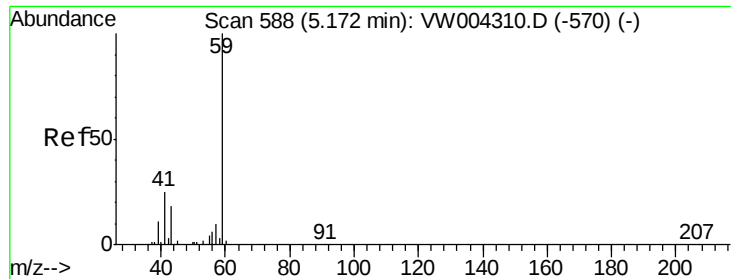
Delta R.T. 0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Tgt Ion:	142	Resp:	76500
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.6	52.0
141	14.8	11.5	17.3





#11

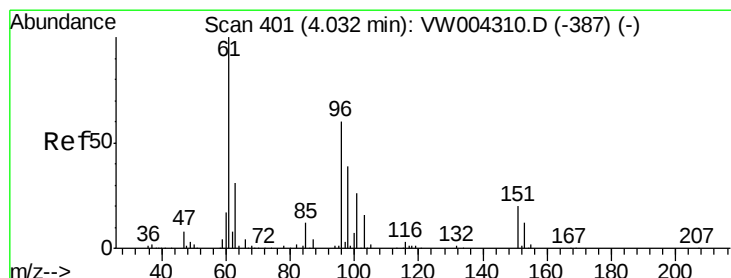
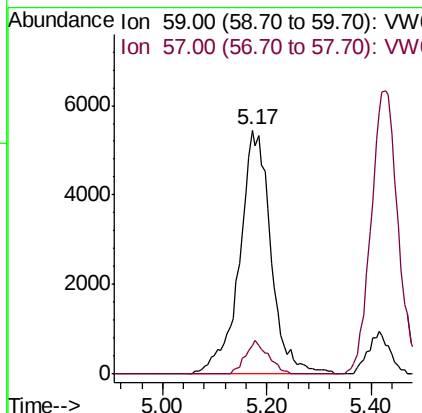
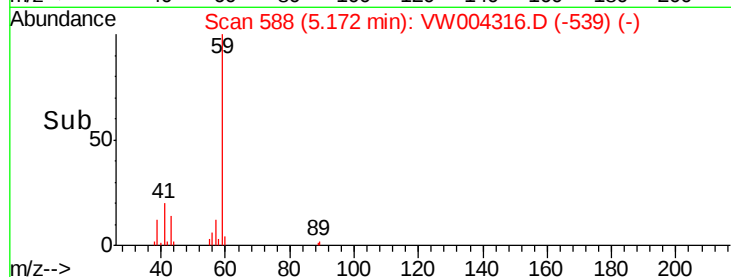
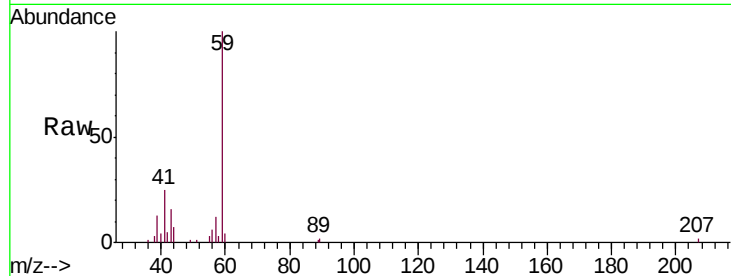
Tert butyl alcohol
 Concen: 127.33 ug/l
 RT: 5.17 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion	59	Resp	22677
Ion Ratio	100	Lower	Upper
57	10.0	8.4	12.6

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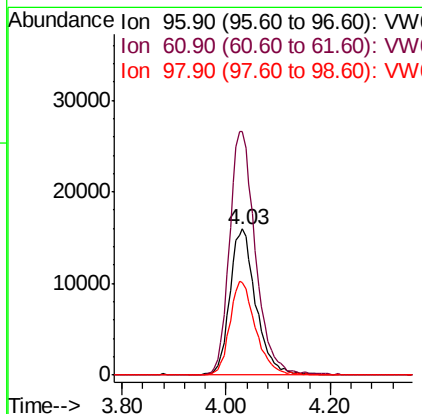
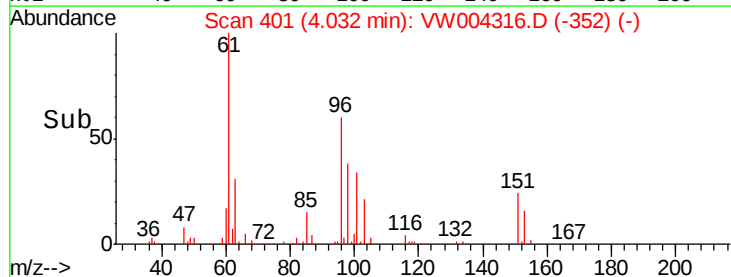
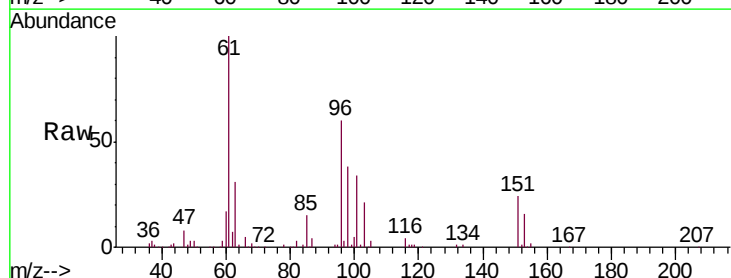
apatel
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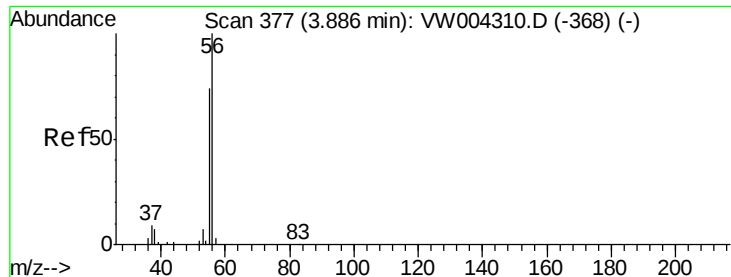


#12

1,1-Dichloroethene
 Concen: 22.43 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	96	Resp	55932
Ion Ratio	100	Lower	Upper
61	166.9	133.4	200.0
98	63.6	51.9	77.9





#13

Acrolein

Concen: 109.41 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 56 Resp: 17661

Ion Ratio Lower Upper

56 100

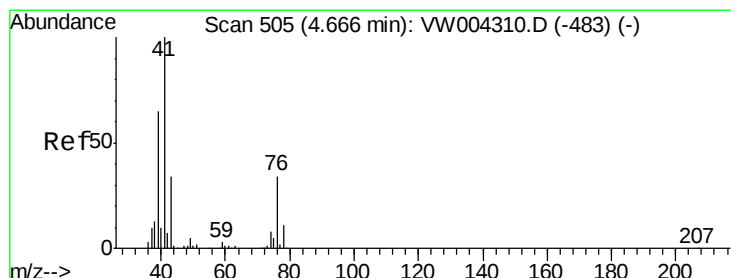
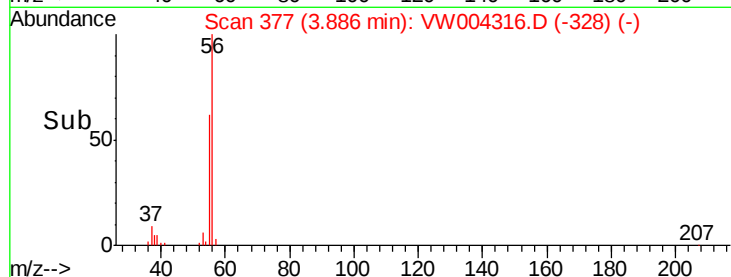
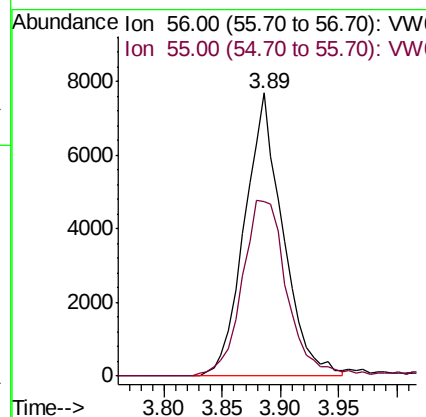
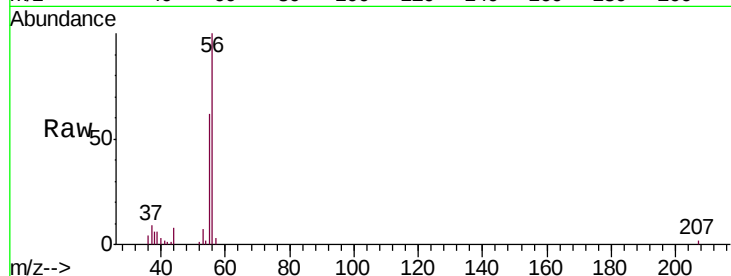
55 72.9 59.4 89.2

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#14

Allyl chloride

Concen: 21.47 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

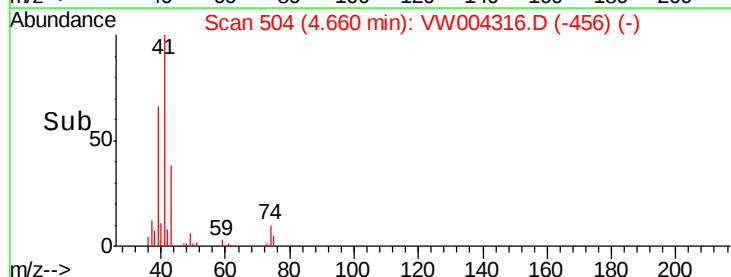
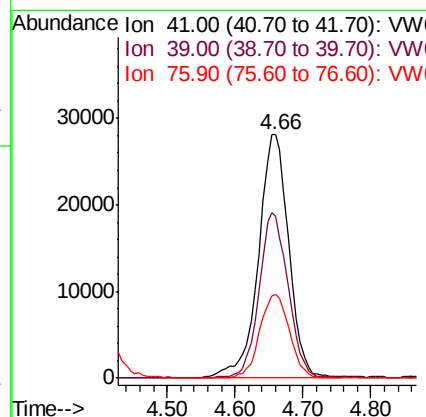
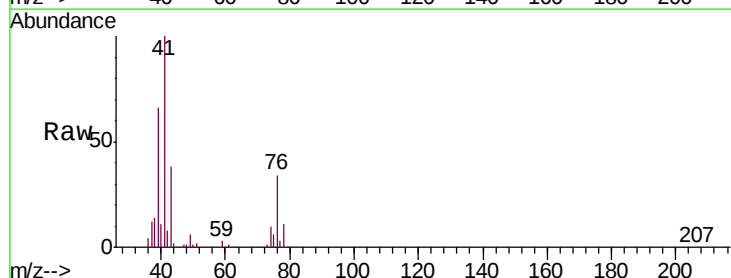
Tgt Ion: 41 Resp: 87738

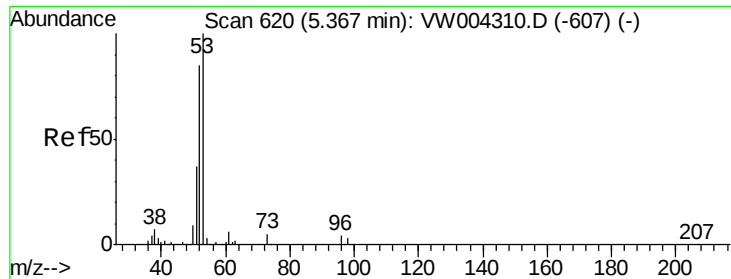
Ion Ratio Lower Upper

41 100

39 65.2 52.3 78.5

76 33.6 27.3 40.9





#15

Acrylonitrile

Concen: 117.78 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

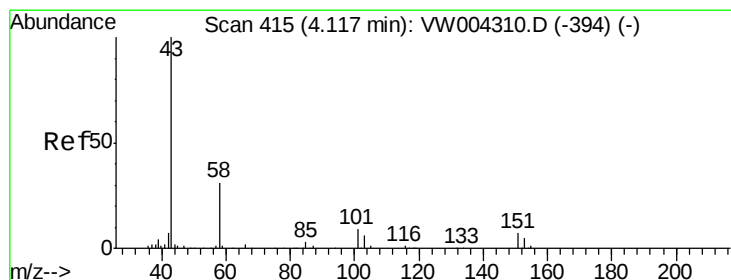
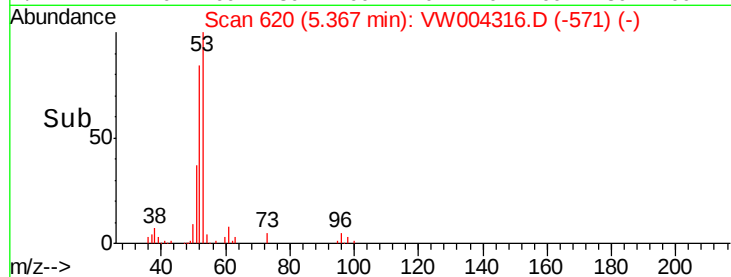
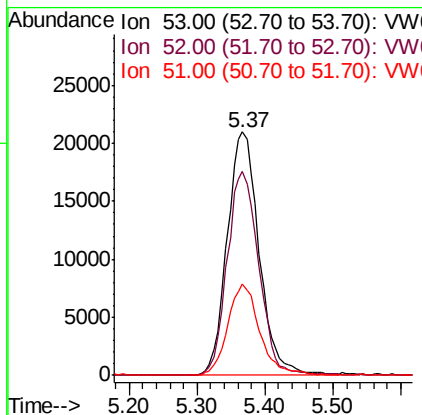
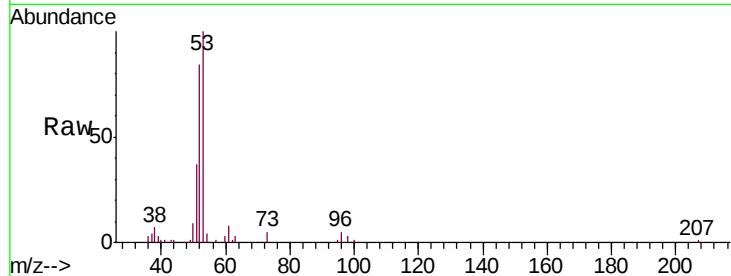
ClientSampleId :

VW0730SBS01

Tot Ion:	53	Resp:	68471
Ion Ratio	Lower	Upper	
53	100		
52	83.1	65.7	98.5
51	37.2	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 107.71 ug/l

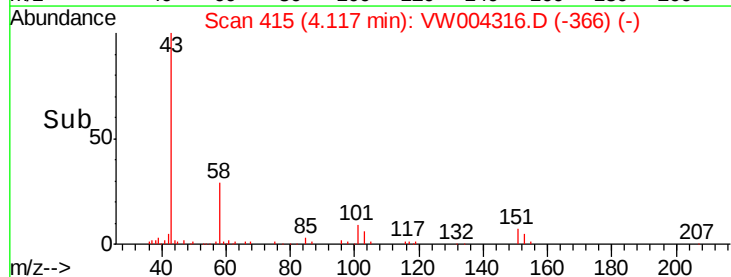
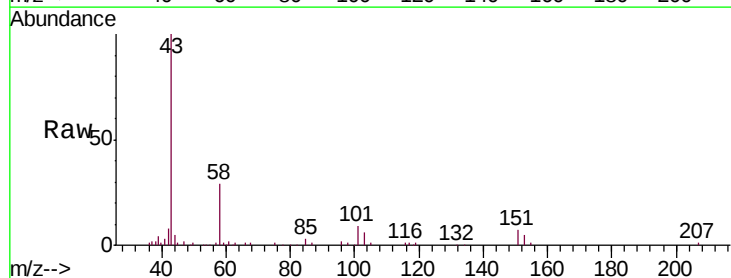
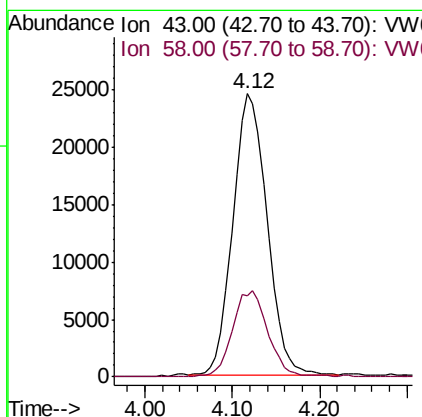
RT: 4.12 min Scan# 415

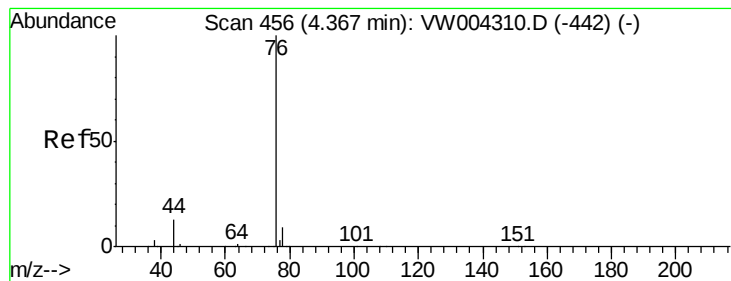
Delta R.T. 0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Tgt Ion:	43	Resp:	66247
Ion Ratio	Lower	Upper	
43	100		
58	28.8	24.8	37.2





#17

Carbon Disulfide

Concen: 20.62 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 76 Resp: 162165

Ion Ratio Lower Upper

76 100

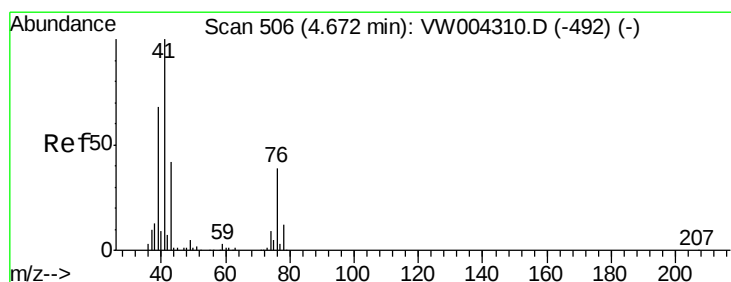
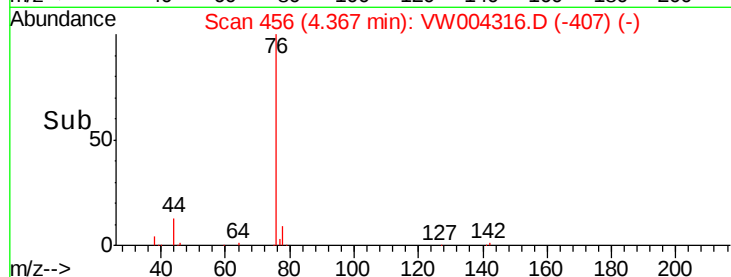
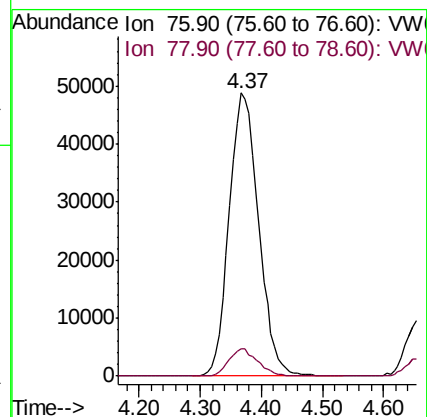
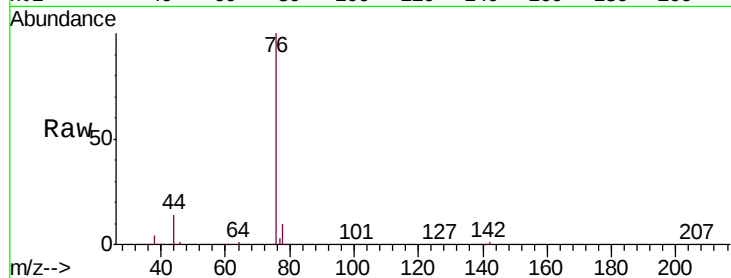
78 9.8 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 23.54 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.01 min

Lab File: VW004316.D

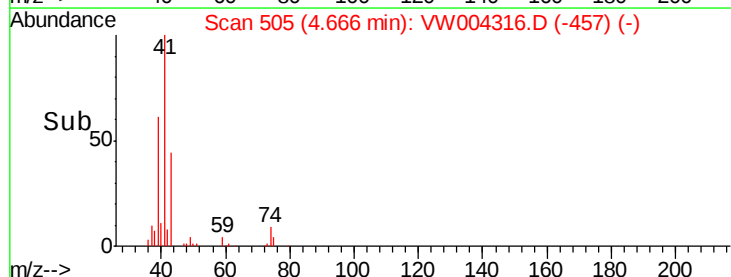
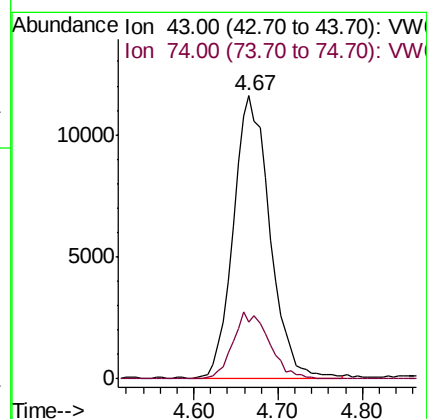
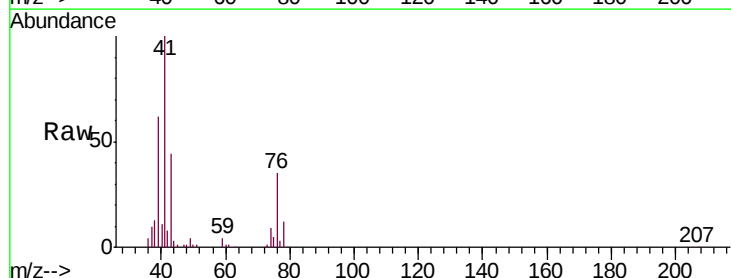
Acq: 29 Jul 2018 16:30

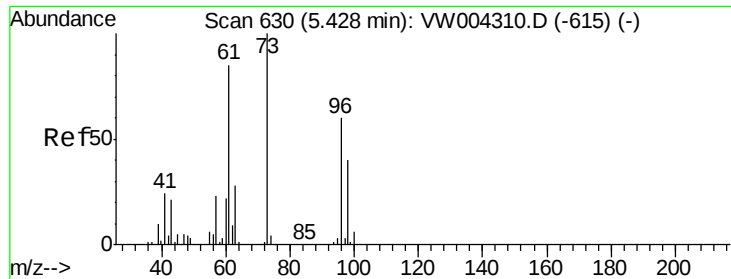
Tgt Ion: 43 Resp: 34141

Ion Ratio Lower Upper

43 100

74 23.2 17.8 26.6





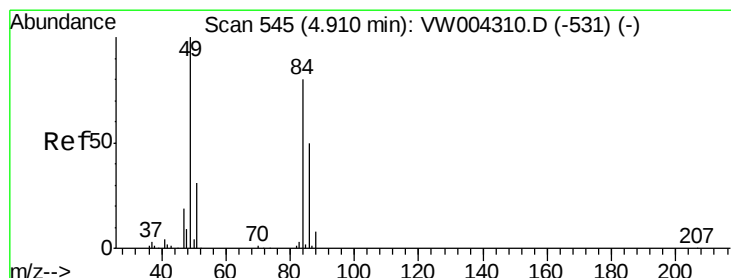
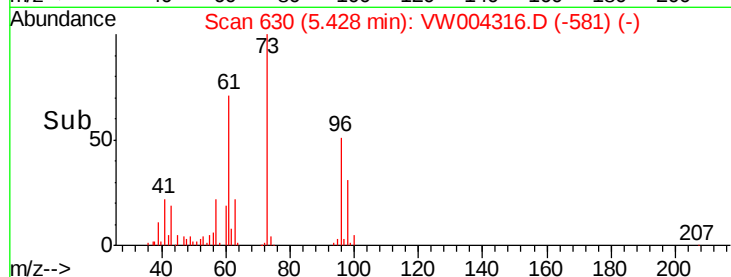
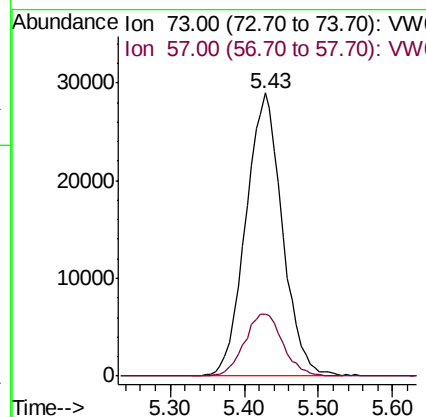
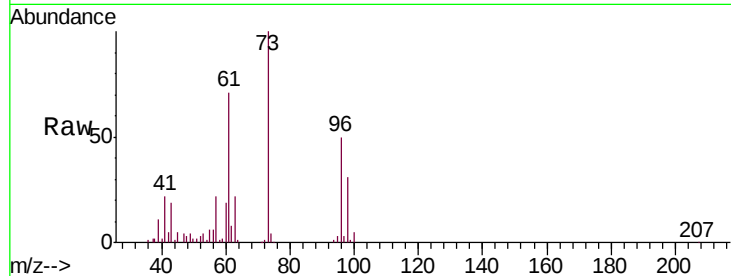
#19
Methyl tert-butyl Ether
Concen: 21.66 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion: 73 Resp: 99772
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6

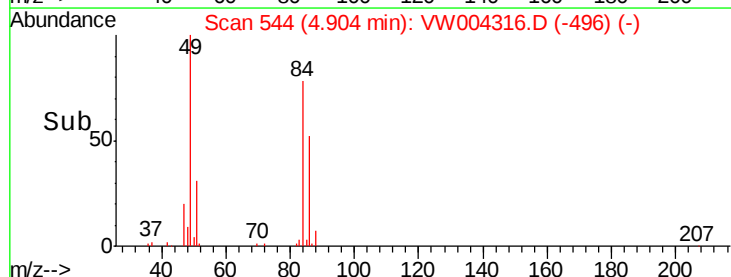
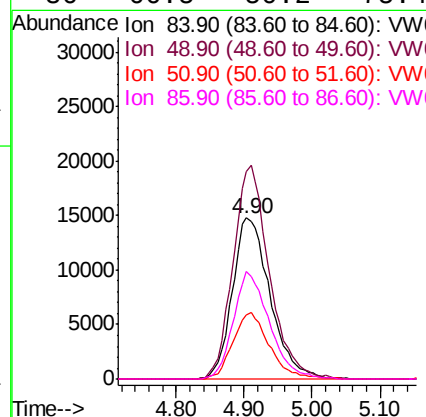
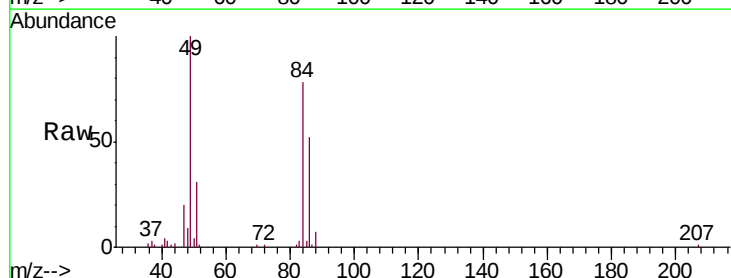
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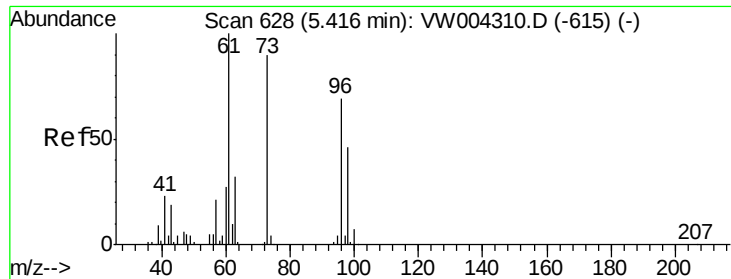
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#20
Methylene Chloride
Concen: 21.47 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion: 84 Resp: 56948
Ion Ratio Lower Upper
84 100
49 128.4 100.5 150.7
51 39.5 30.9 46.3
86 66.5 50.2 75.4





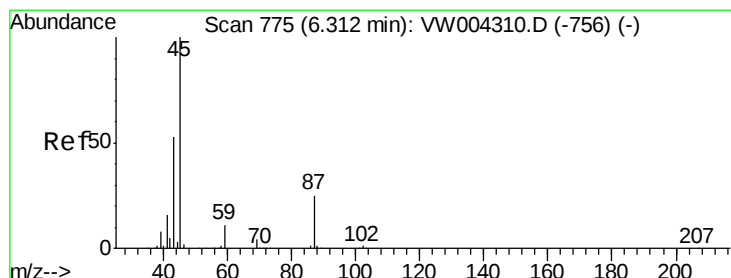
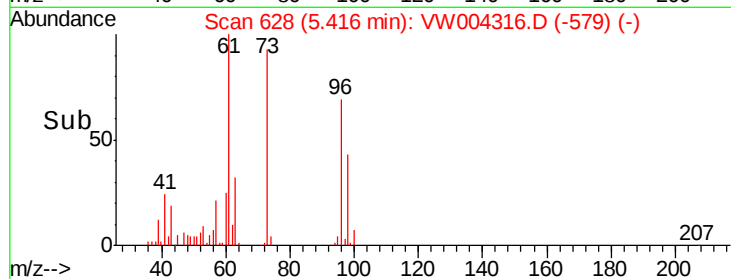
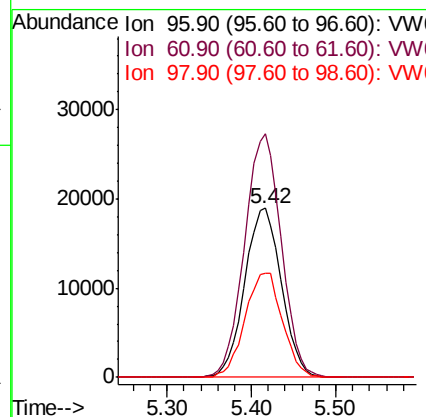
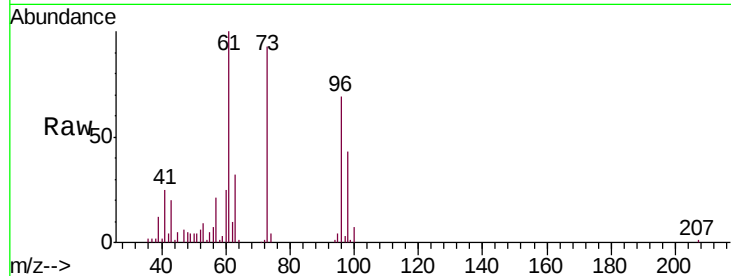
#21
trans-1,2-Dichloroethene
Concen: 20.85 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	116.2	174.2
98	61.4	52.9	79.3

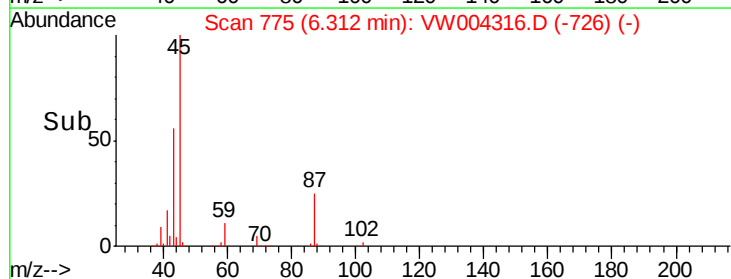
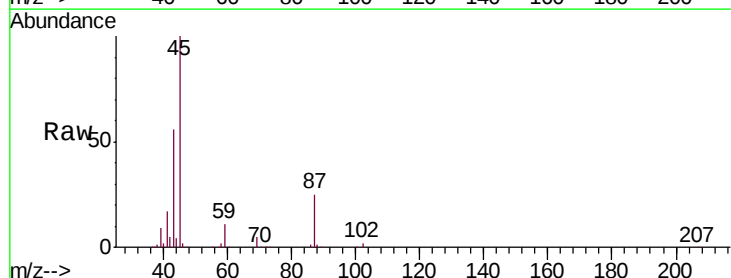
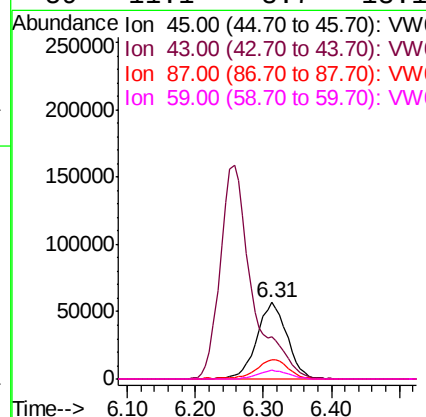
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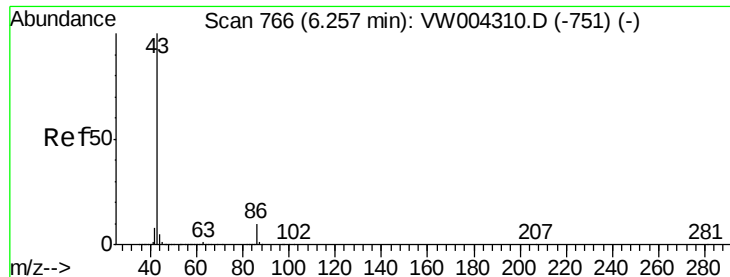
apatel
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#22
Diisopropyl ether
Concen: 22.23 ug/l
RT: 6.31 min Scan# 775
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.9	42.3	63.5
87	24.9	19.9	29.9
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 112.18 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 43 Resp: 519746

Ion Ratio Lower Upper

43 100

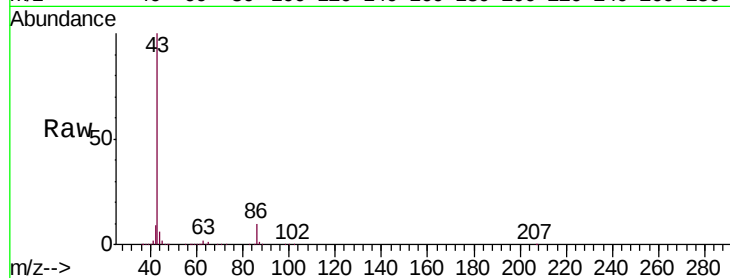
86 9.6 7.7 11.5

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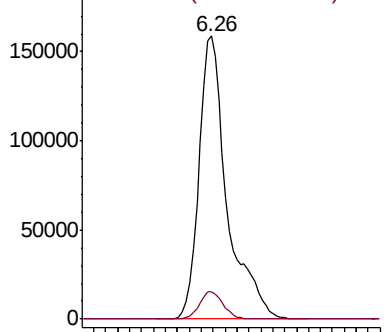
apatel

7/30/2018 10:32:54 AM

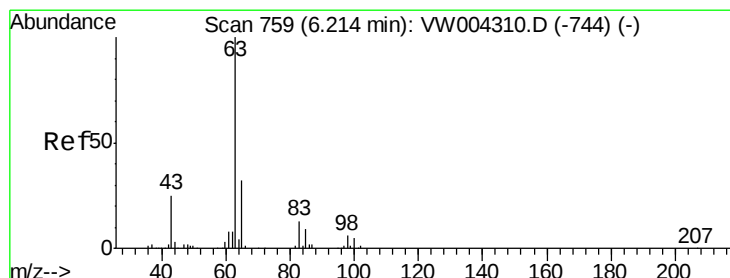
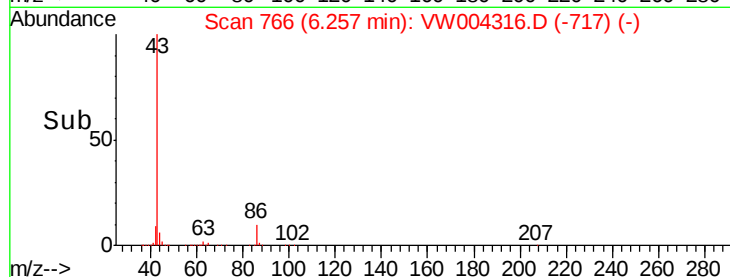


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 20.92 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

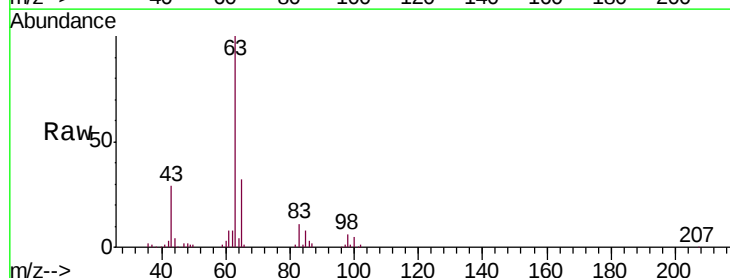
Tgt Ion: 63 Resp: 104218

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

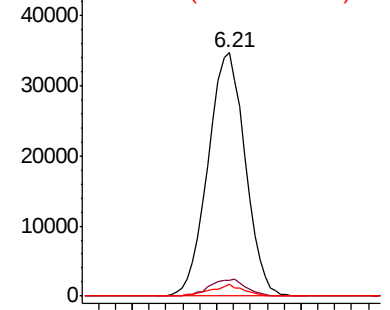
100 4.8 2.3 6.9



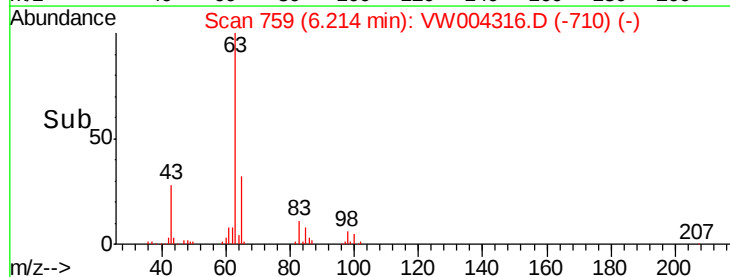
Abundance Ion 62.90 (62.60 to 63.60): VW

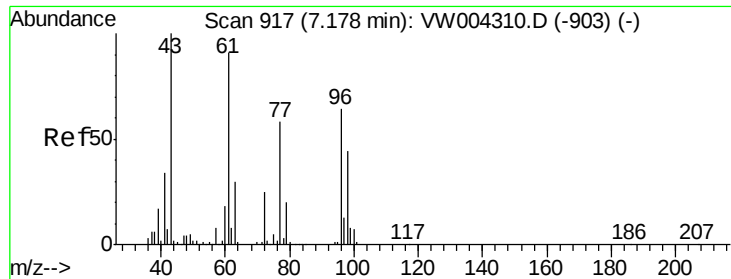
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 123.37 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 43 Resp: 91153

Ion Ratio Lower Upper

43 100

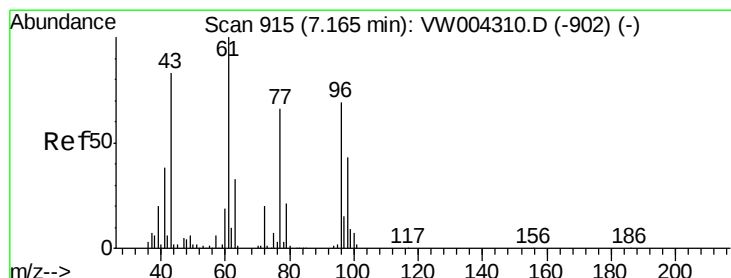
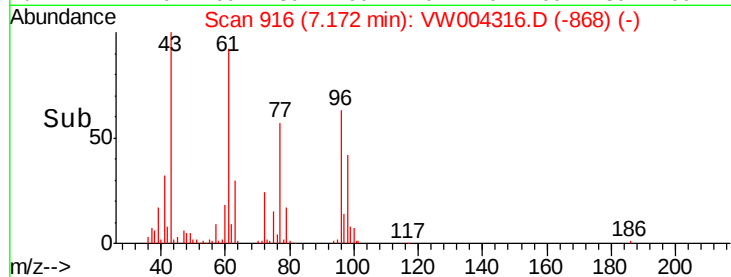
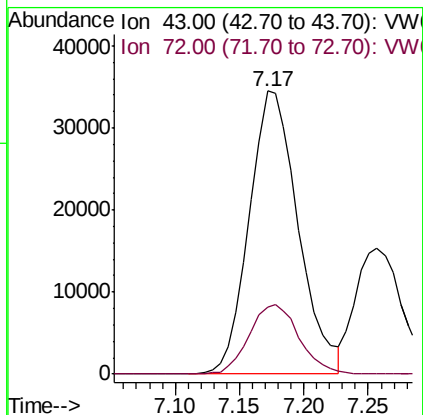
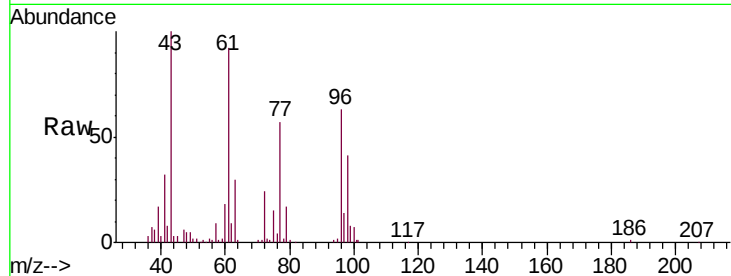
72 23.6 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.36 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004316.D

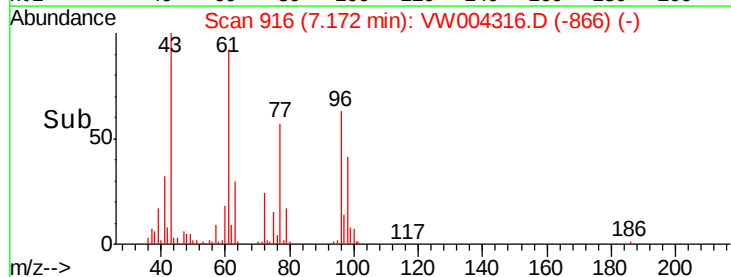
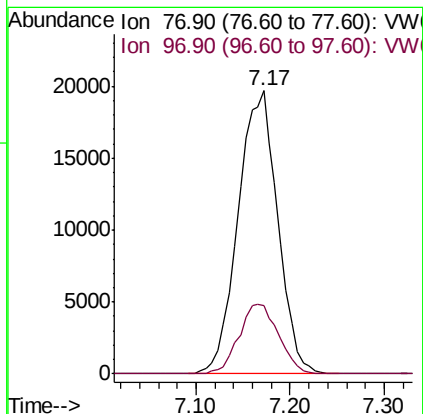
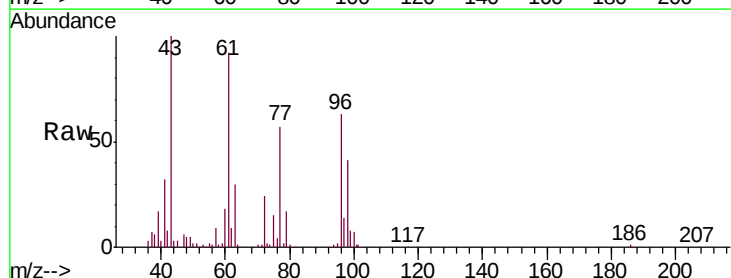
Acq: 29 Jul 2018 16:30

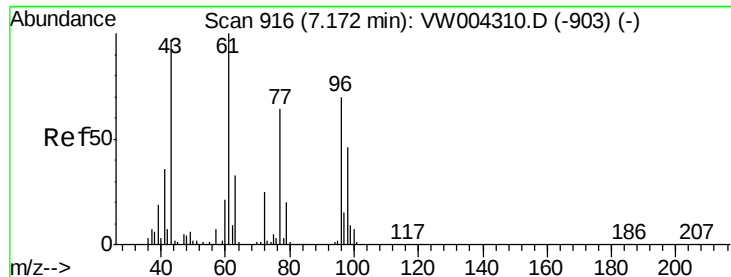
Tgt Ion: 77 Resp: 57773

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 21.57 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

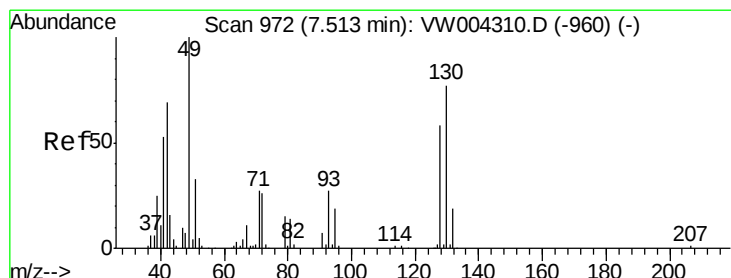
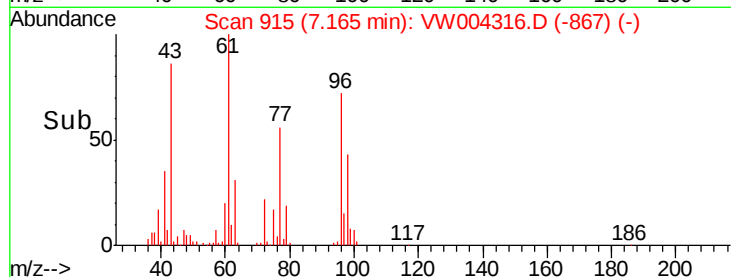
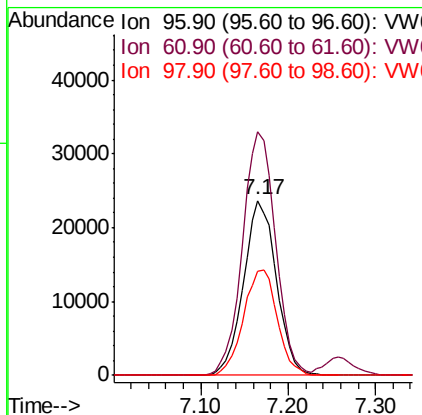
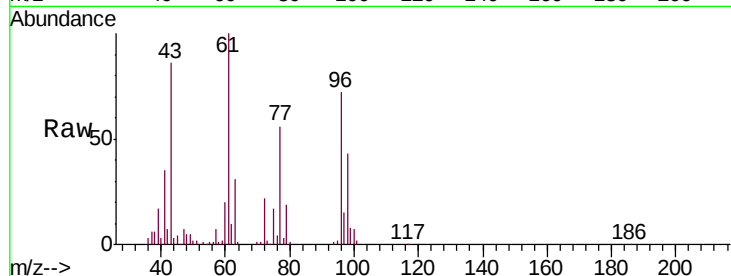
ClientSampleId :

VW0730SBS01

Tot Ion:	96	Resp:	61797
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	292.0
98	61.9	0.0	129.6

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#28

Bromochloromethane

Concen: 23.34 ug/l

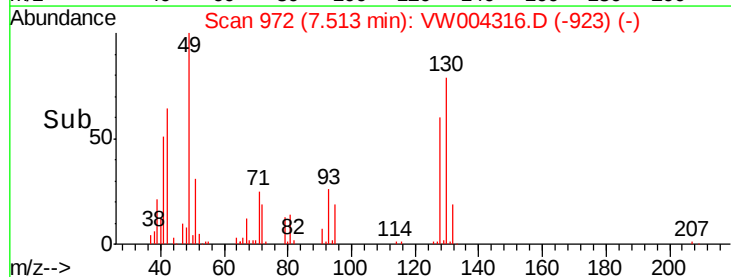
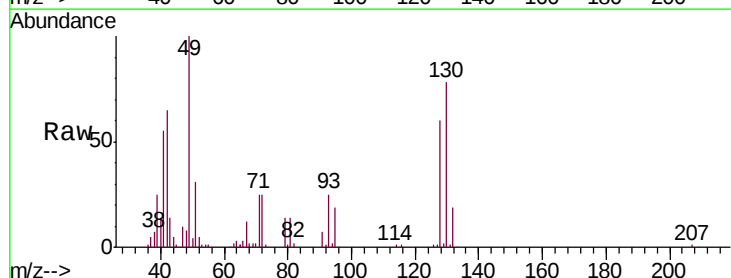
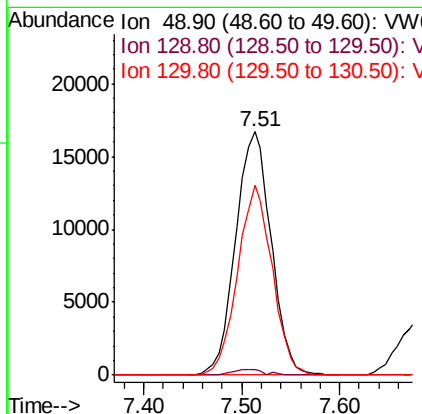
RT: 7.51 min Scan# 972

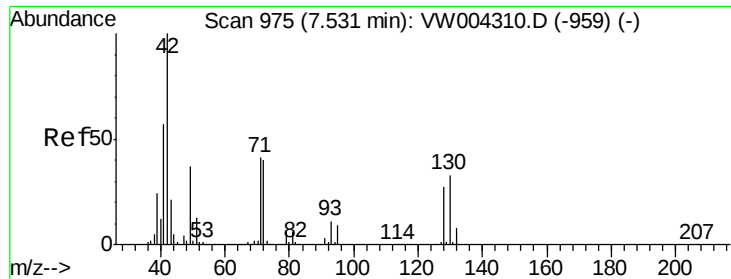
Delta R.T. -0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Tgt Ion:	49	Resp:	42067
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	75.7	61.5	92.3





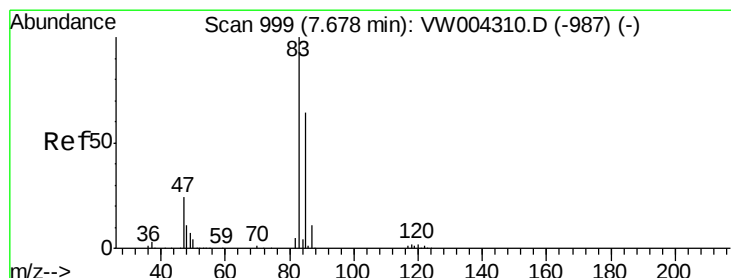
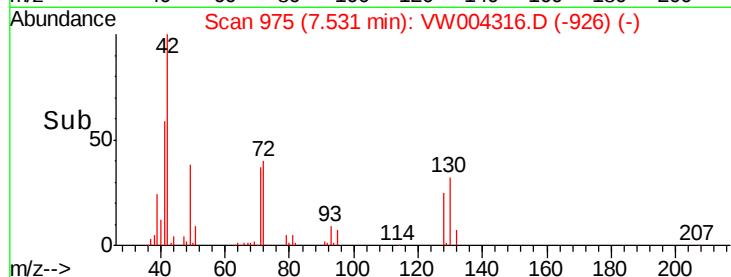
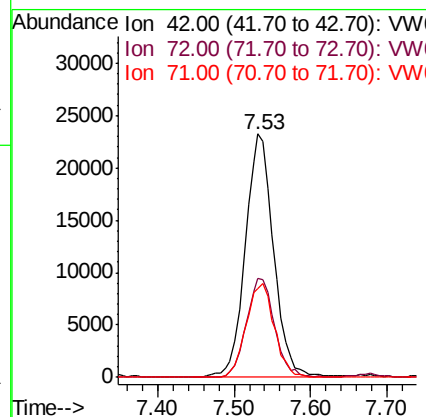
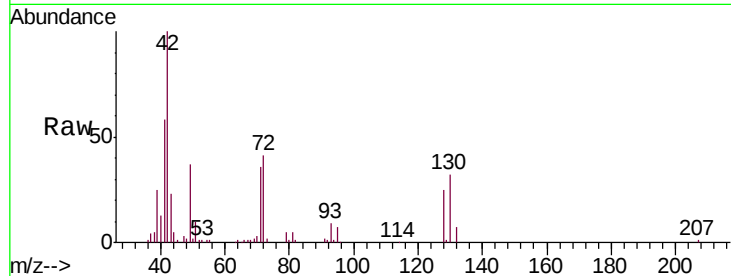
#29
Tetrahydrofuran
Concen: 118.55 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.6	48.8
71	38.5	31.3	46.9

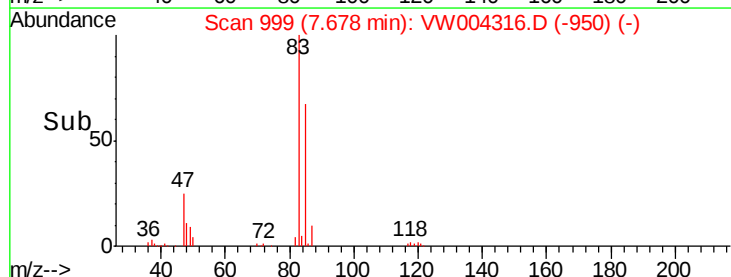
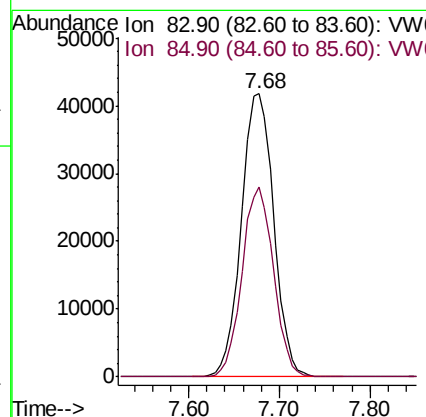
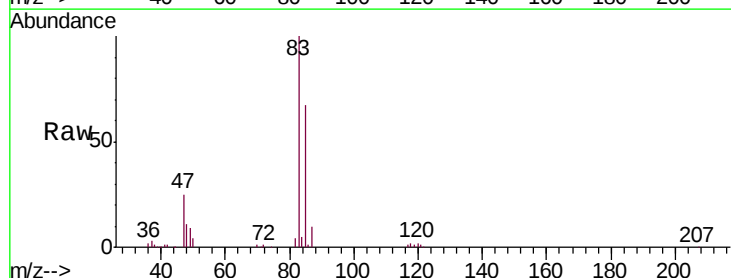
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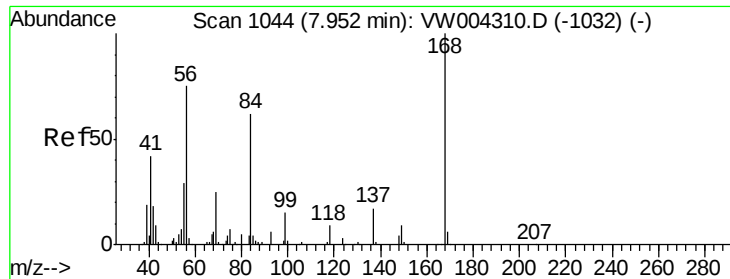
apatel
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#30
Chloroform
Concen: 21.06 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.5	77.3





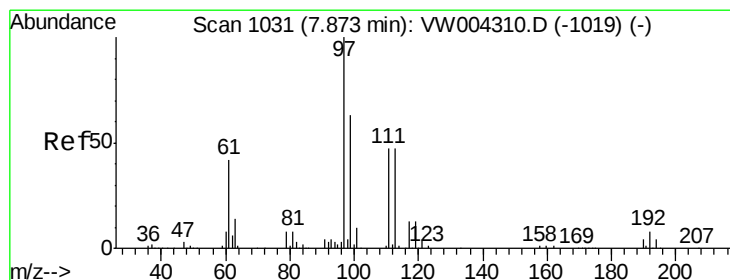
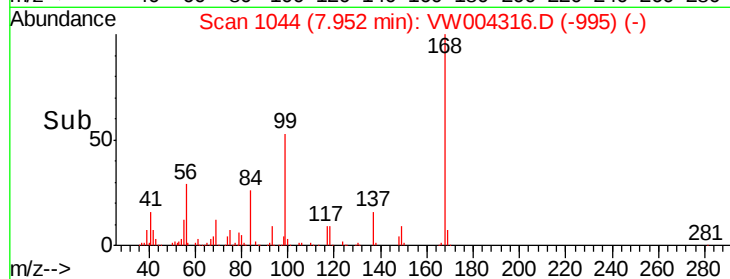
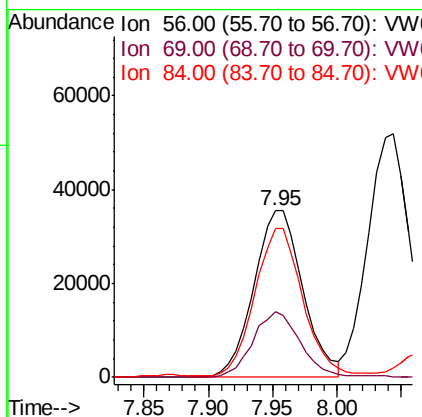
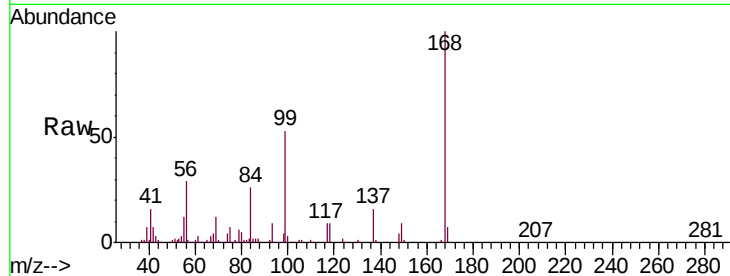
#31
Cyclohexane
Concen: 20.62 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	56	Resp	93637
Ion Ratio	100	Lower	Upper
56	100		
69	39.2	26.3	39.5
84	88.2	66.2	99.4

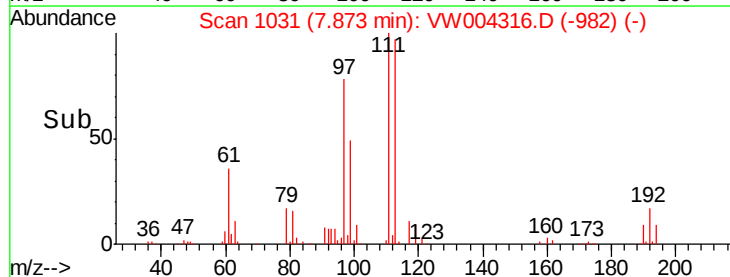
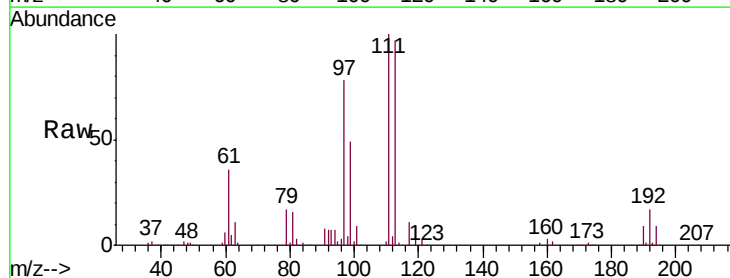
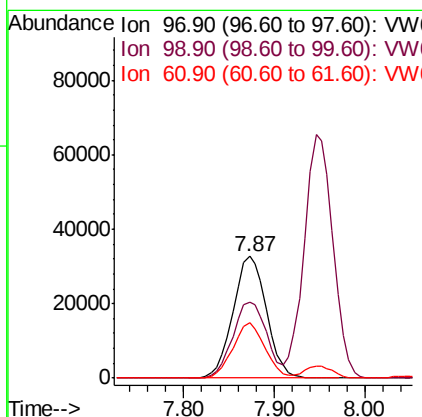
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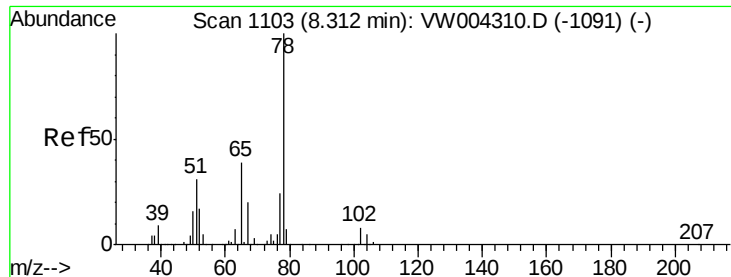
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#32
1,1,1-Trichloroethane
Concen: 20.66 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	97	Resp	83359
Ion Ratio	100	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	44.0	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 54.22 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 65 Resp: 144238

Ion Ratio Lower Upper

65 100

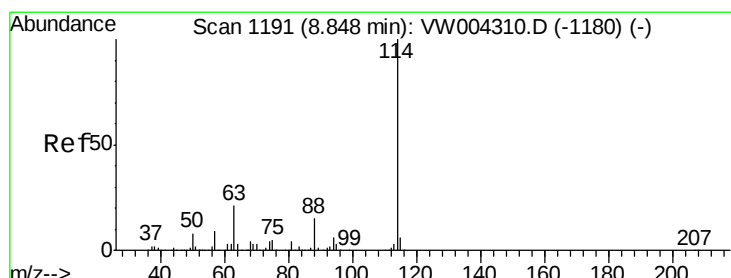
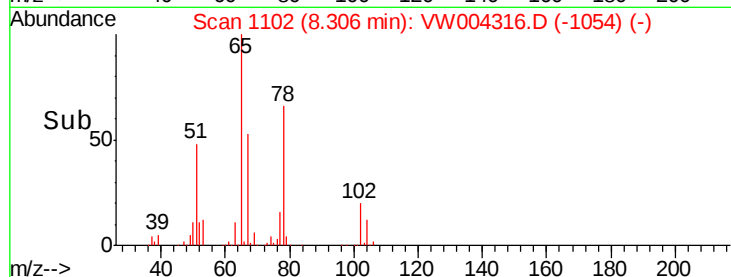
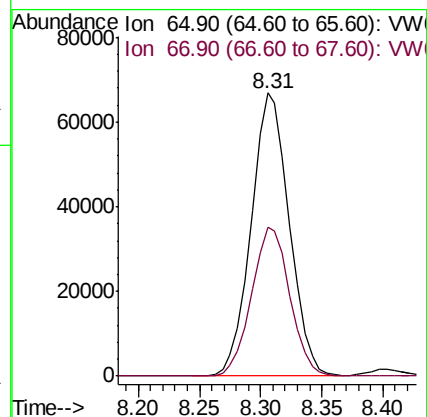
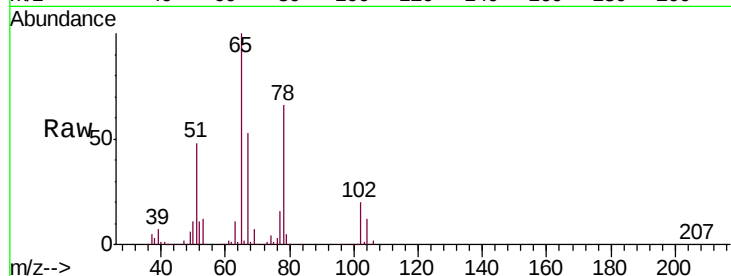
67 53.0 0.0 106.4

Manual Integrations

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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: VW004316.D

Acq: 29 Jul 2018 16:30

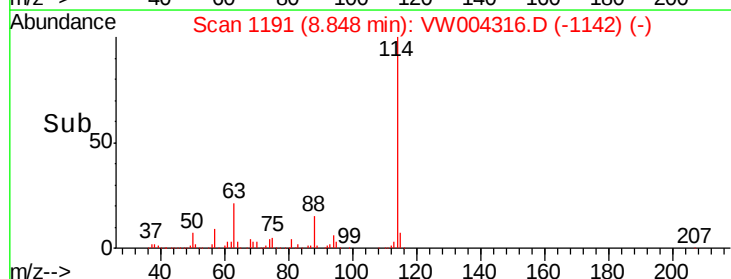
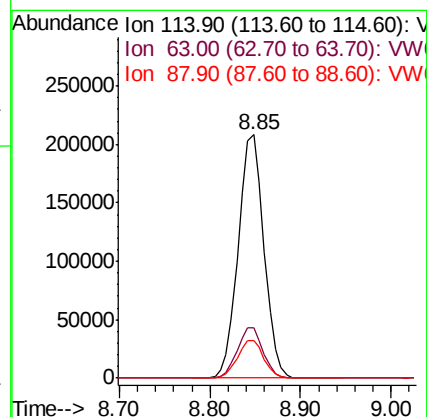
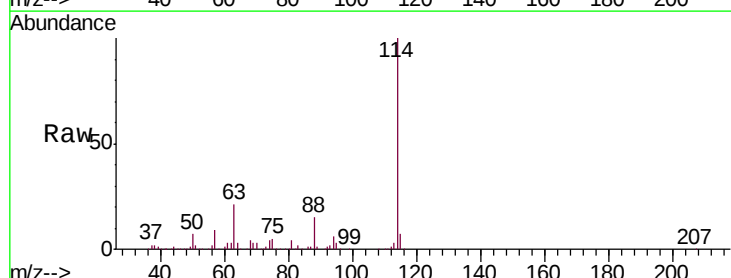
Tgt Ion: 114 Resp: 409697

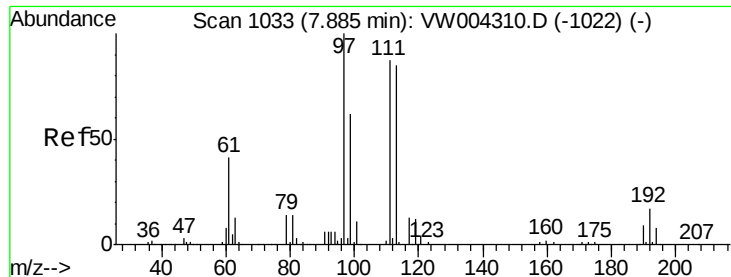
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

88 15.3 0.0 30.6





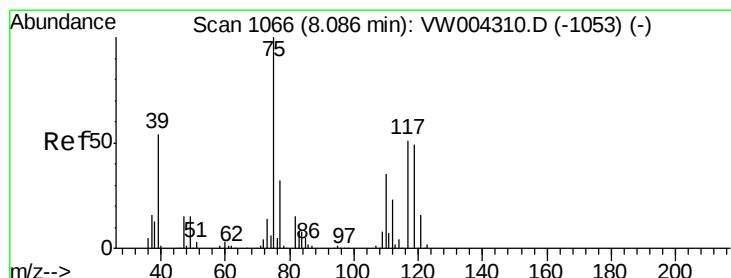
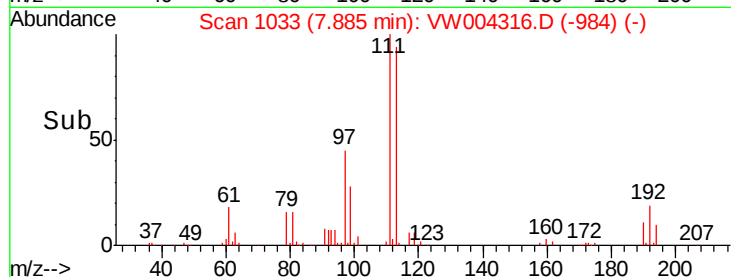
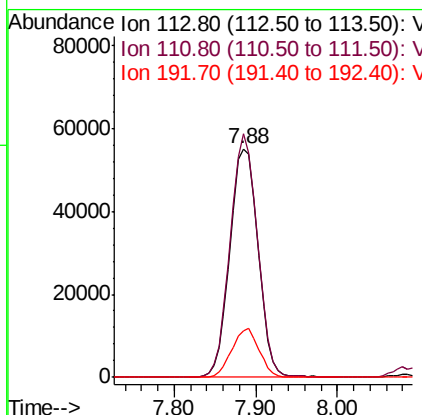
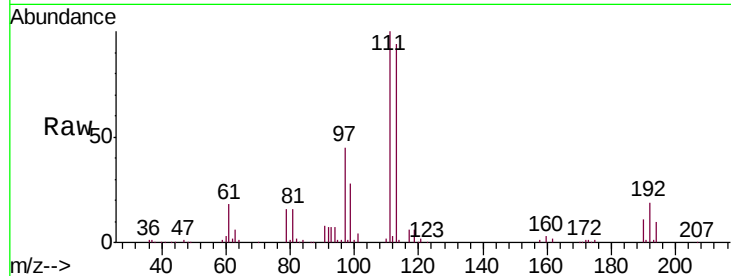
#35
 Dibromofluoromethane
 Concen: 50.97 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	82.1	123.1	
192	20.5	16.2	24.4	

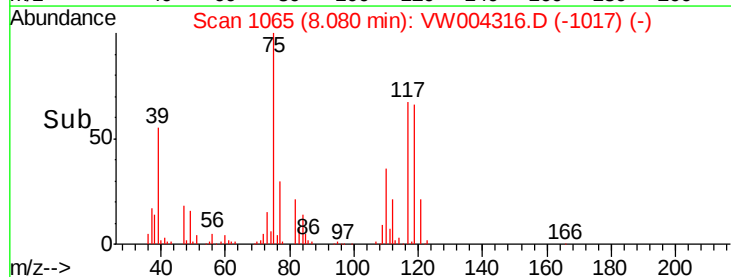
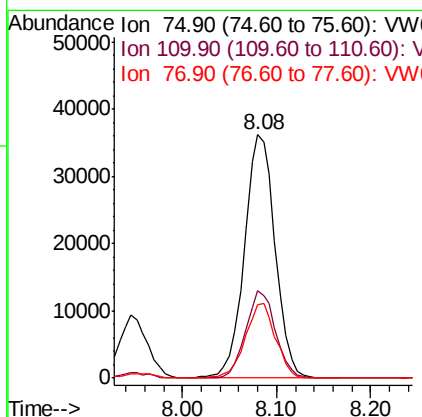
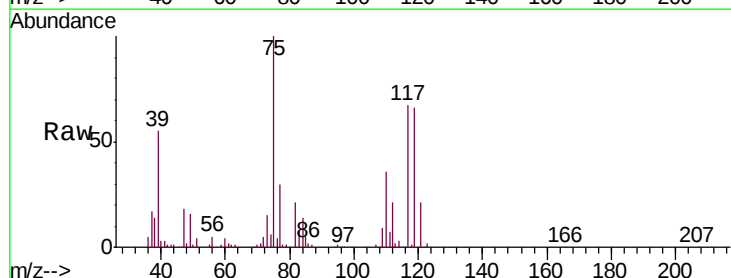
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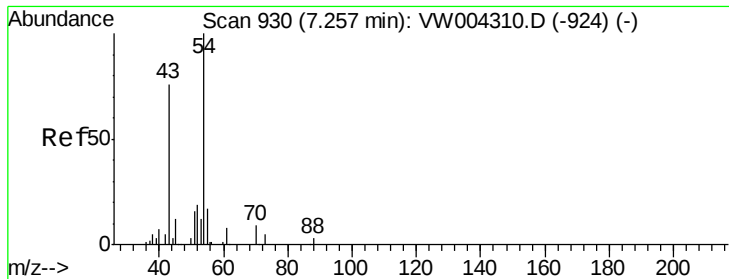
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#36
 1,1-Dichloropropene
 Concen: 20.17 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.7	17.3	52.0	
77	30.5	25.0	37.6	





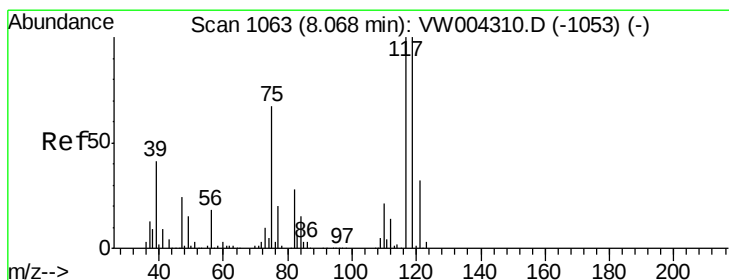
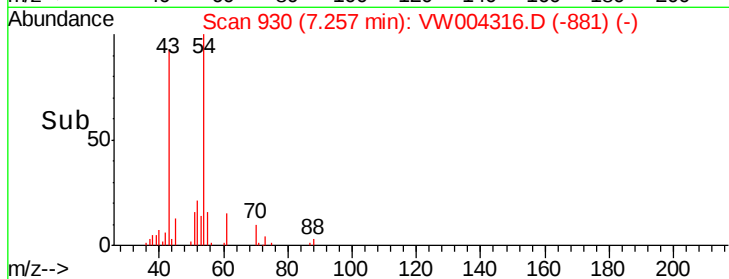
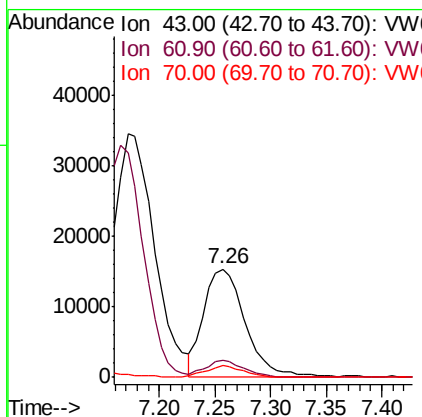
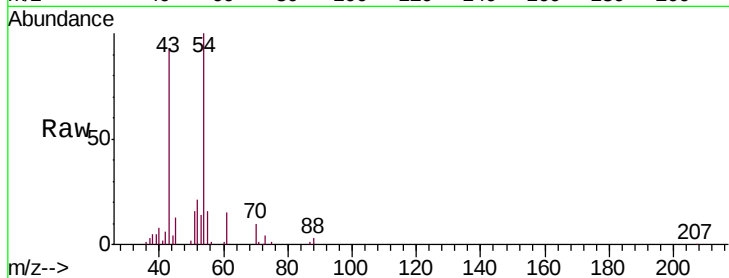
#37
Ethyl Acetate
Concen: 23.35 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.1	16.7
70	10.2	7.8	11.6

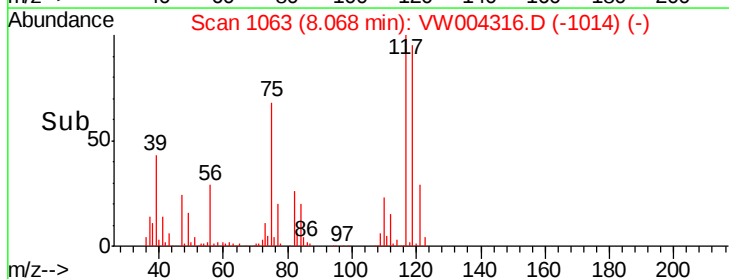
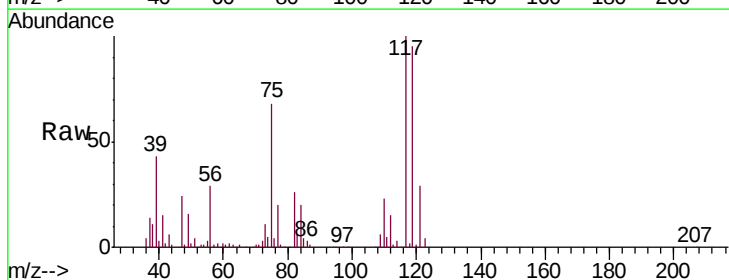
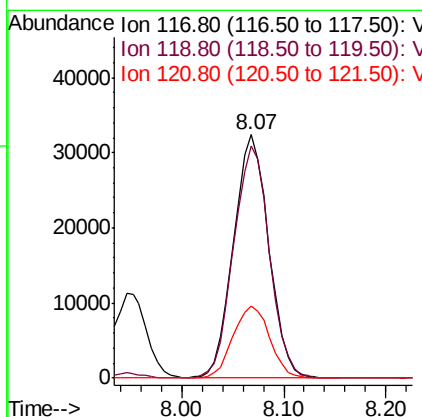
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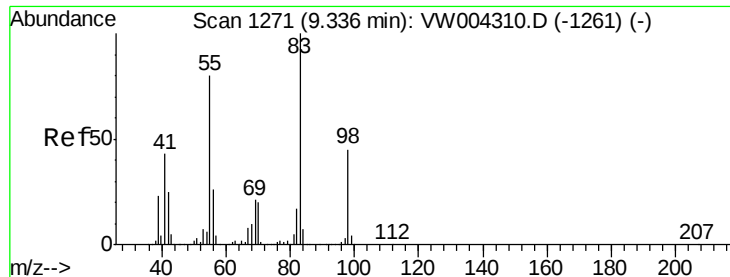
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#38
Carbon Tetrachloride
Concen: 19.24 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	79.7	119.5
121	29.4	25.7	38.5





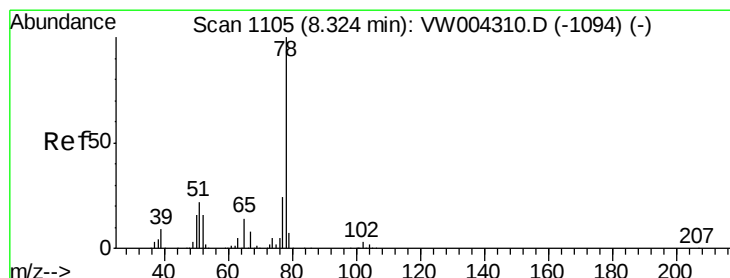
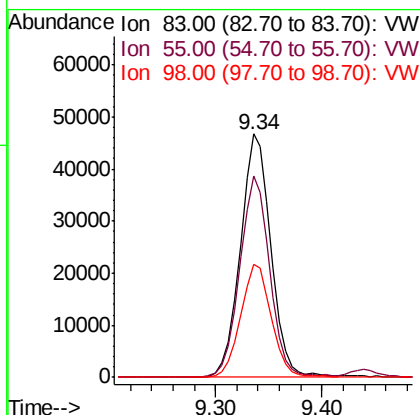
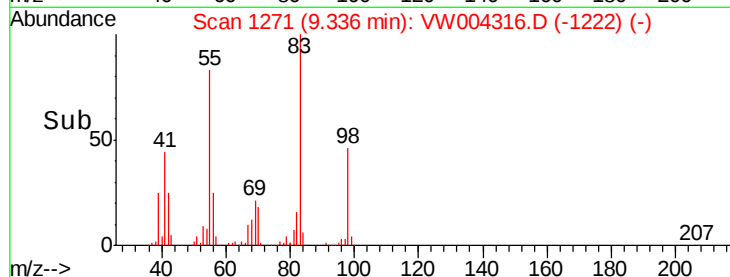
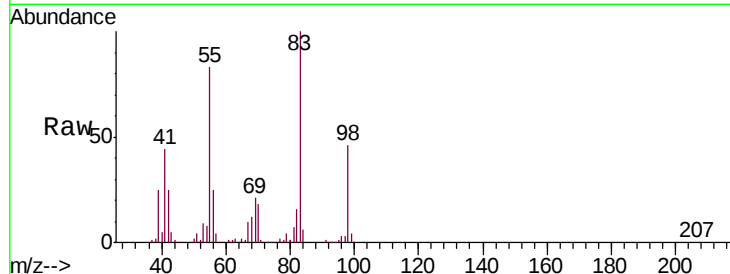
#39
Methvlcvclohexane
Concen: 19.03 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	64.3	96.5
98	46.4	36.3	54.5

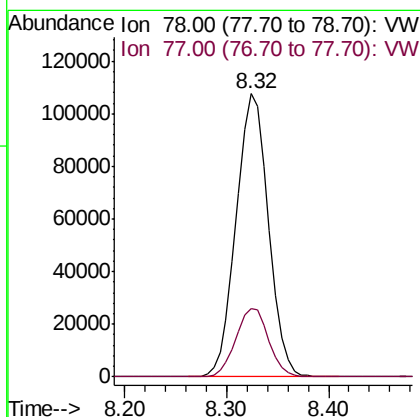
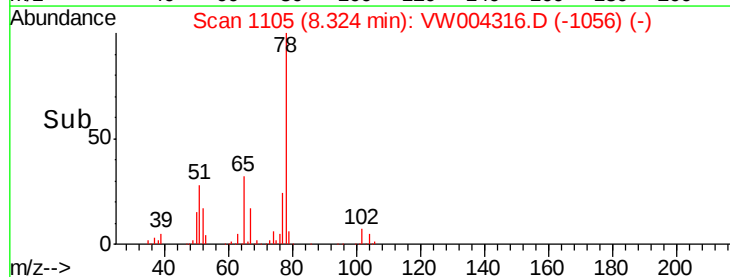
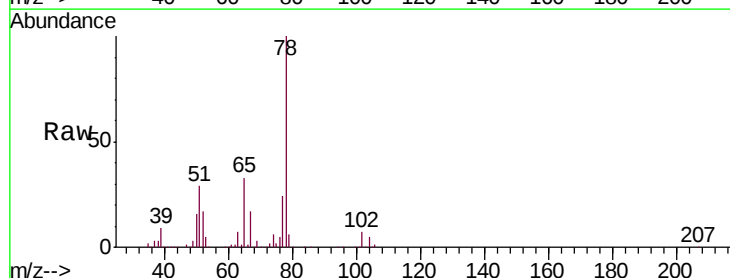
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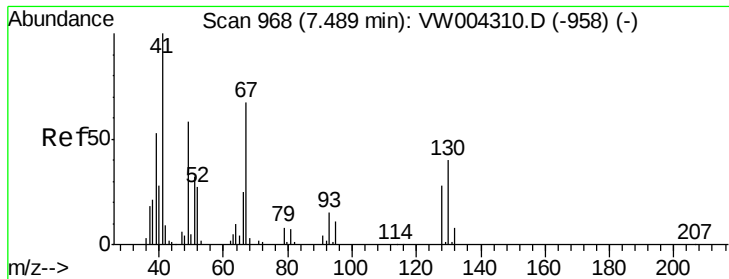
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#40
Benzene
Concen: 20.48 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





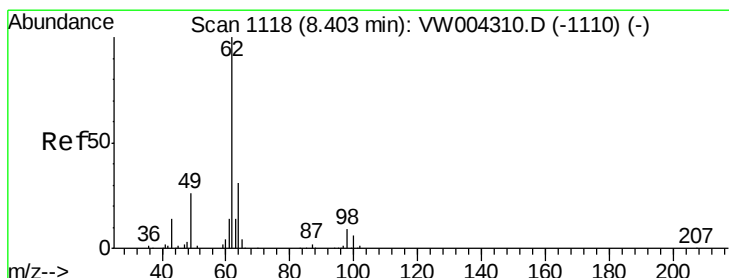
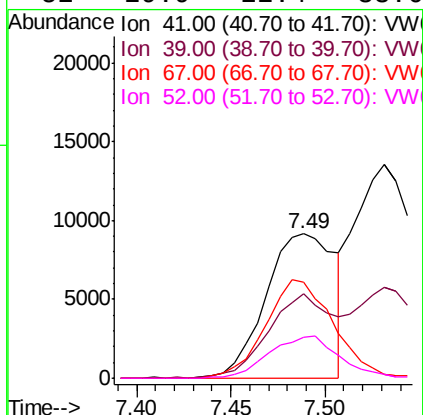
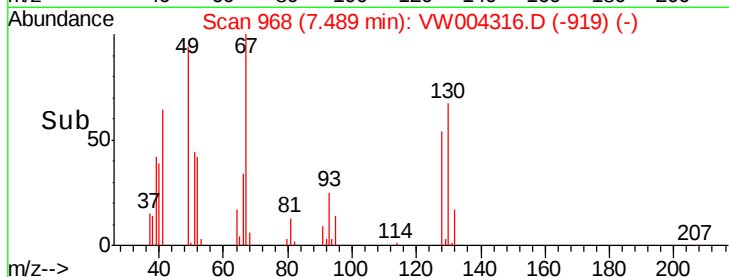
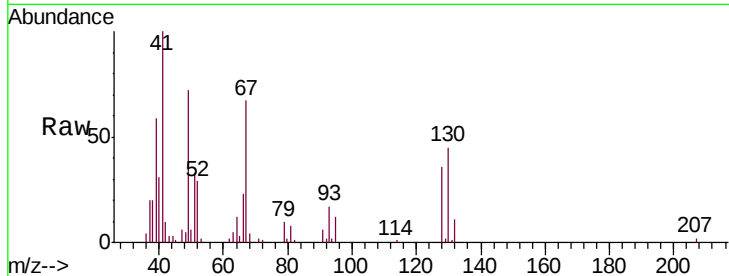
#41
Methacrylonitrile
Concen: 22.46 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	41.2	61.8	
67	67.4	53.4	80.0	
52	29.9	22.4	33.6	

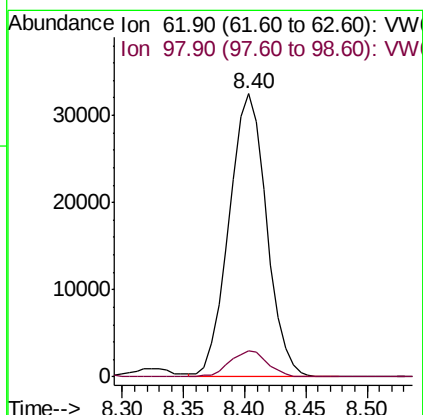
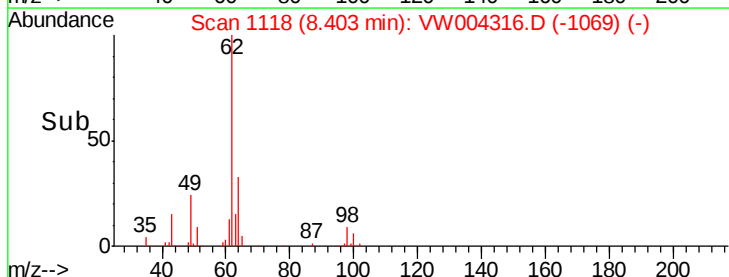
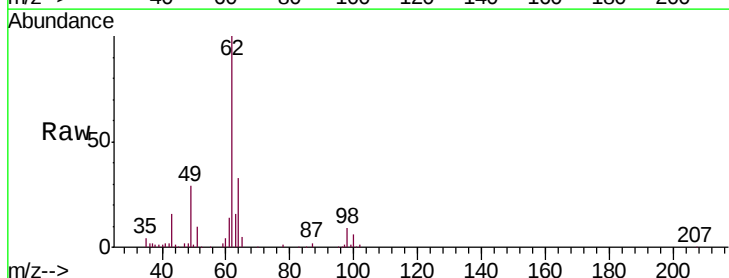
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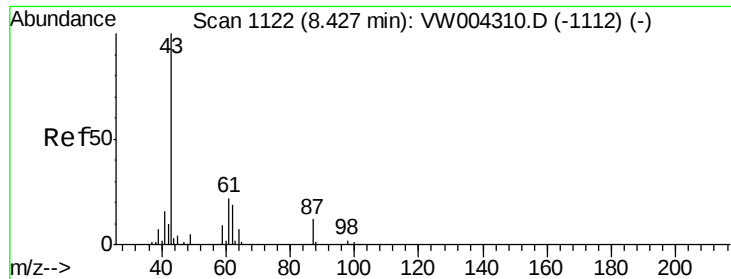
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#42
1,2-Dichloroethane
Concen: 20.99 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.4	





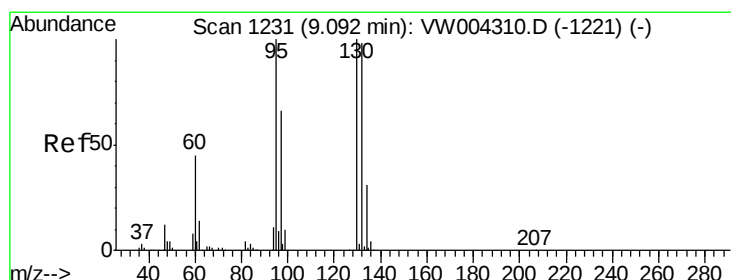
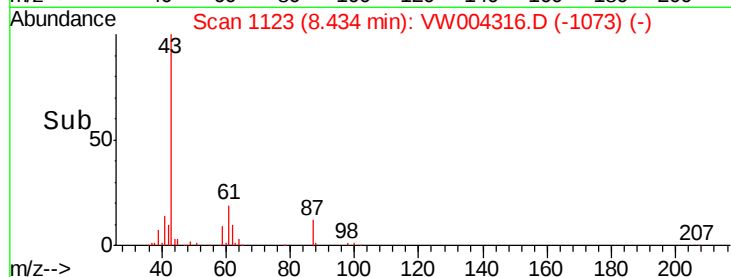
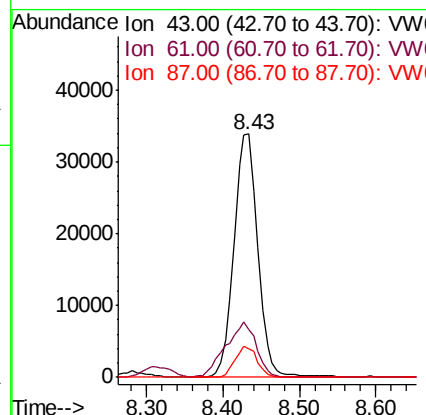
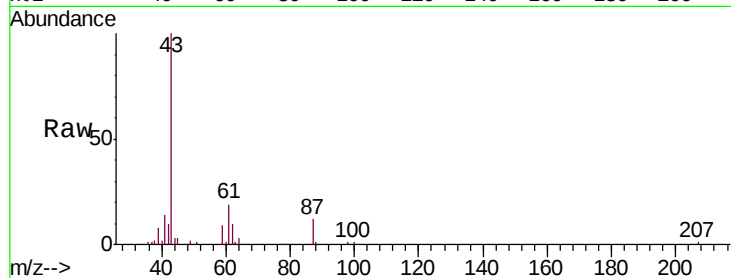
#43
Isopropyl Acetate
Concen: 24.18 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	24.5	36.7
87	12.1	10.4	15.6

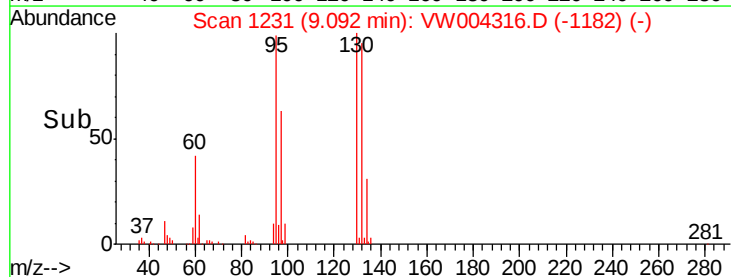
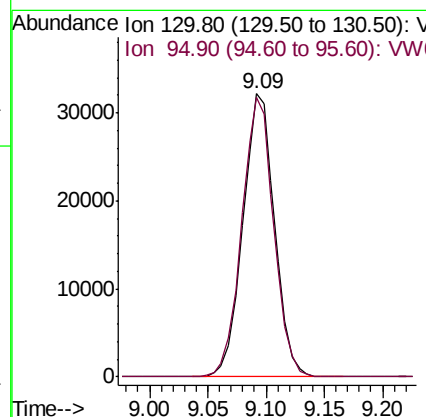
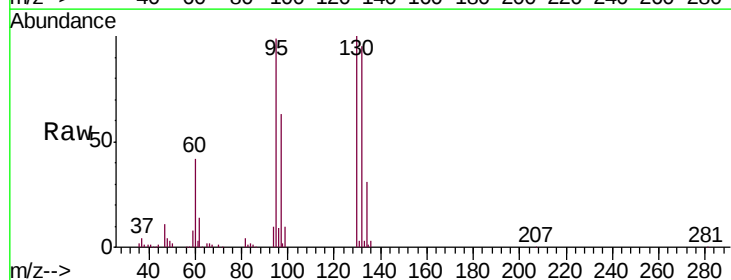
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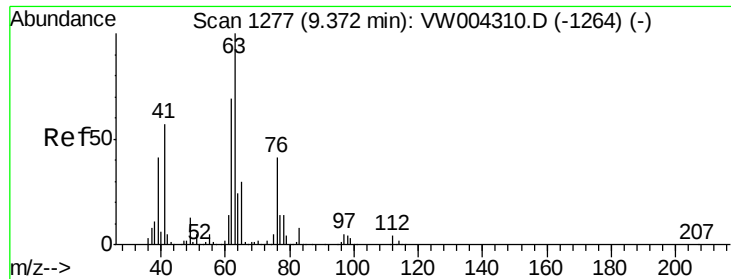
apatel
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#44
Trichloroethene
Concen: 19.52 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	199.4





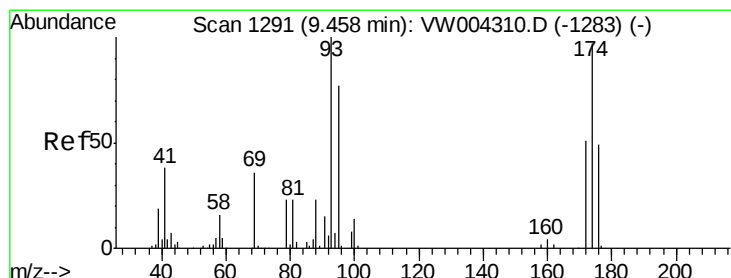
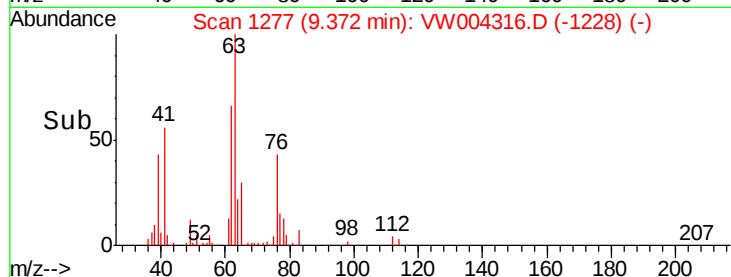
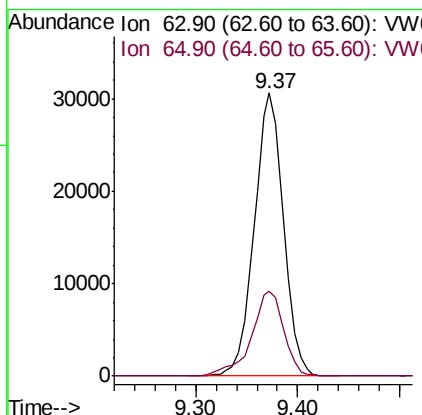
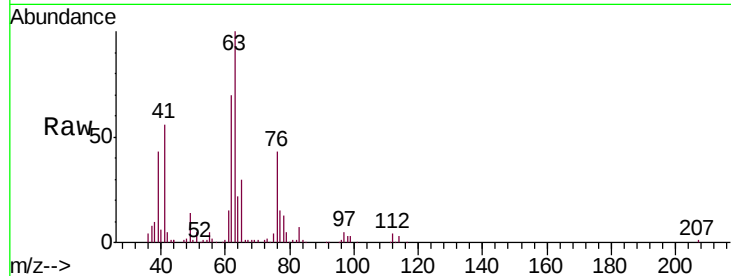
#45
 1,2-Dichloropropane
 Concen: 21.38 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.9	35.9

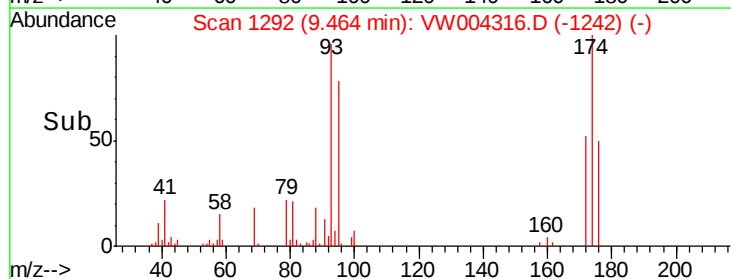
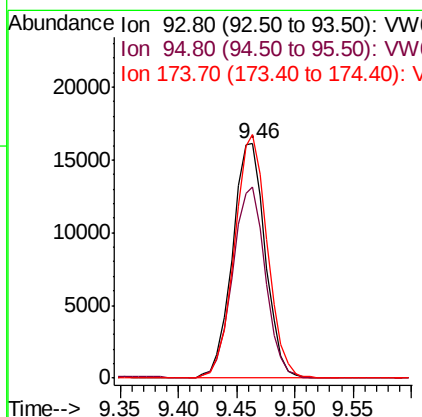
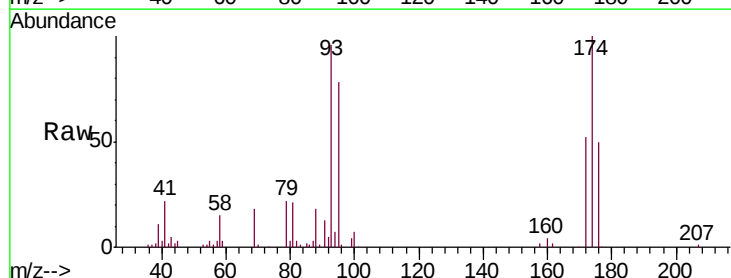
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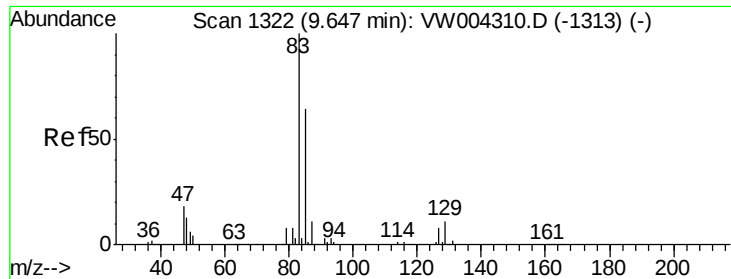
apatel
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#46
 Dibromomethane
 Concen: 21.71 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.8
174	103.3	83.7	125.5





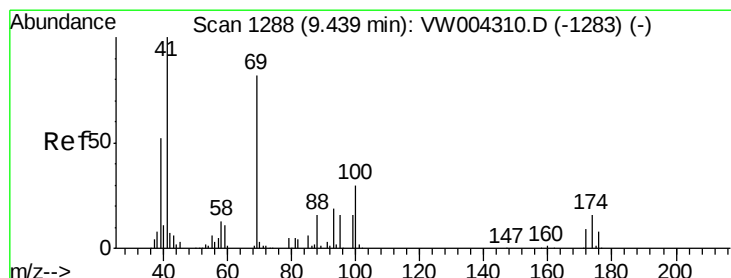
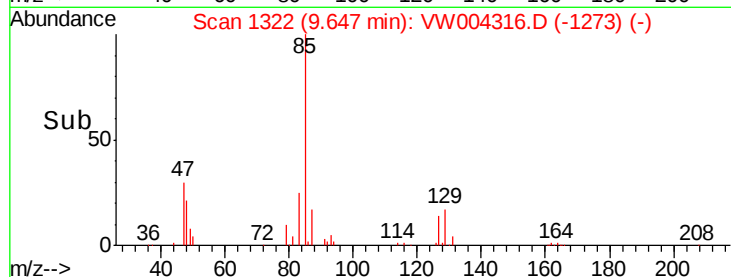
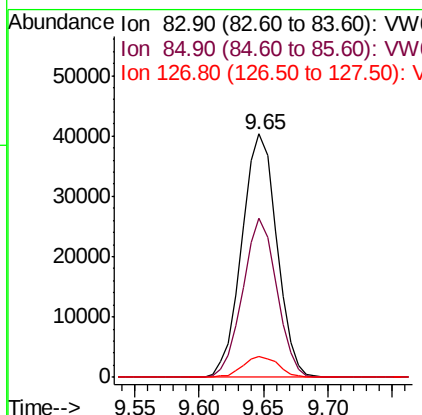
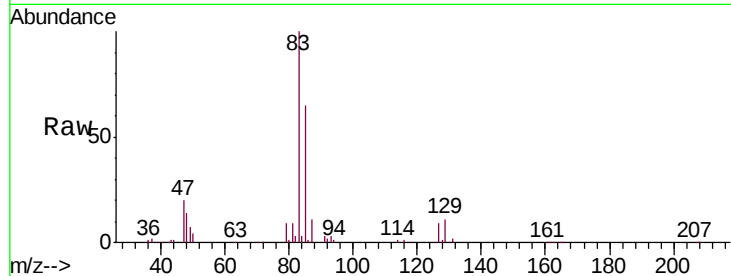
#47
Bromodichloromethane
Concen: 20.43 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.1	51.3	76.9	
127	8.8	6.6	9.8	

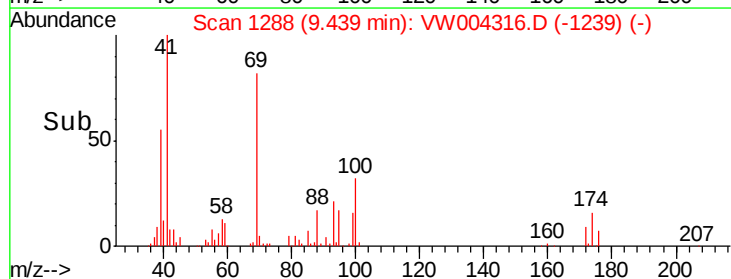
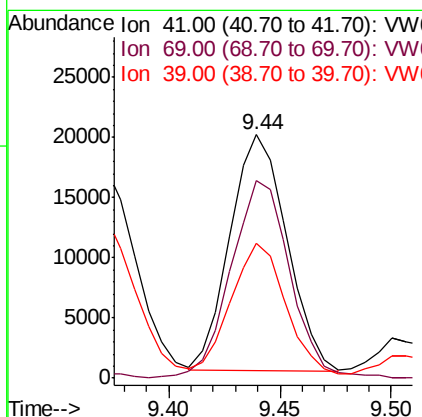
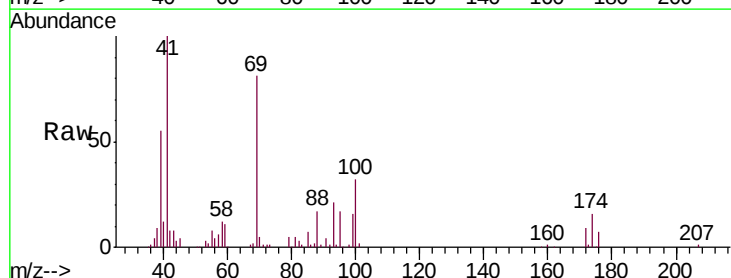
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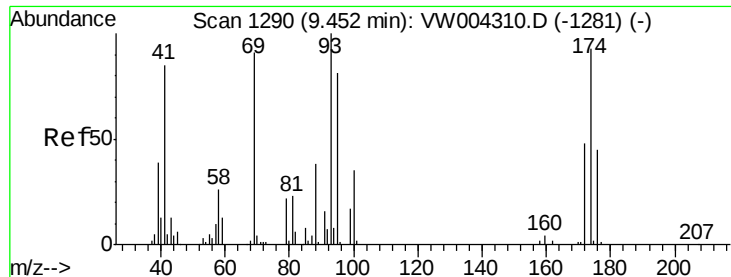
apatel
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#48
Methyl methacrylate
Concen: 22.56 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.7	69.7	104.5	
39	56.9	41.8	62.8	





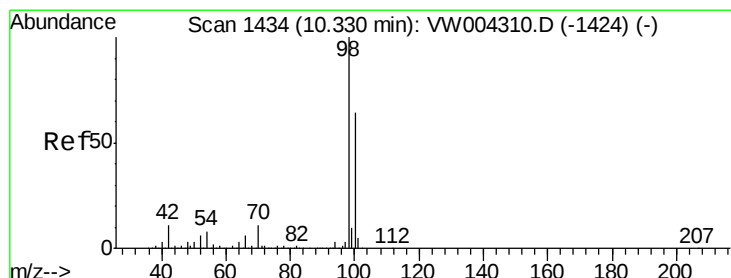
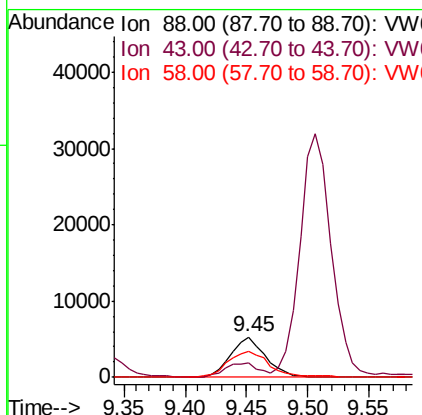
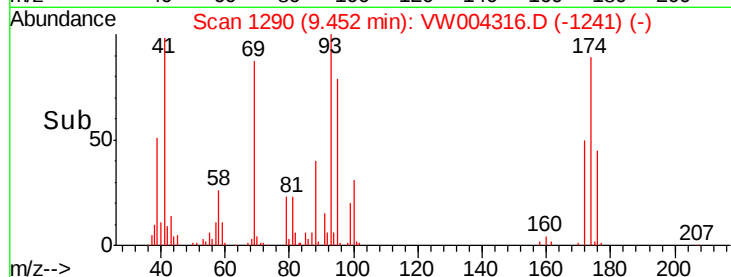
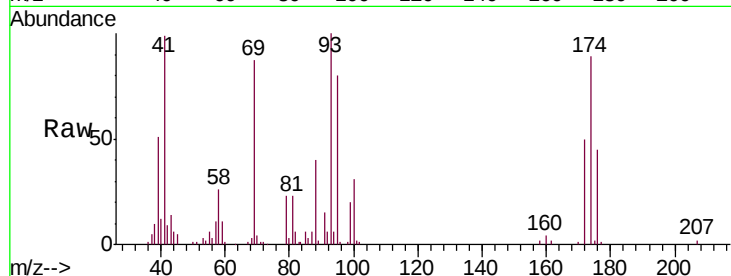
#49
1,4-Dioxane
Concen: 471.29 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	88	Resp	10438
Ion Ratio	Lower	Upper	
88	100		
43	36.1	28.3	42.5
58	75.1	60.2	90.4

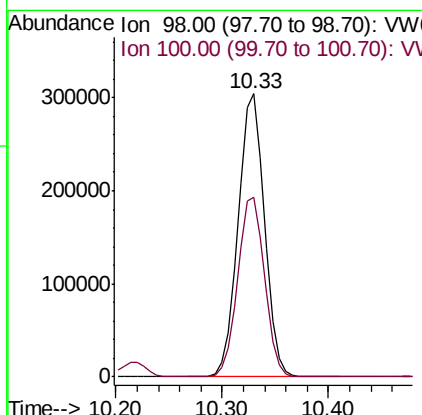
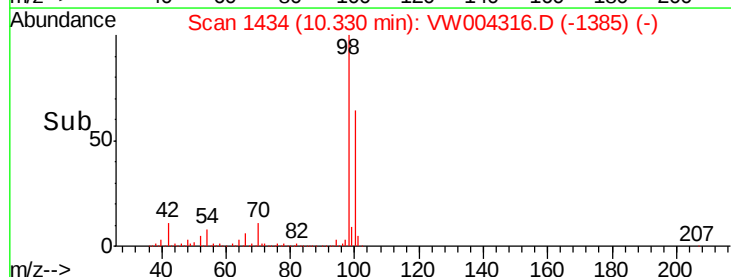
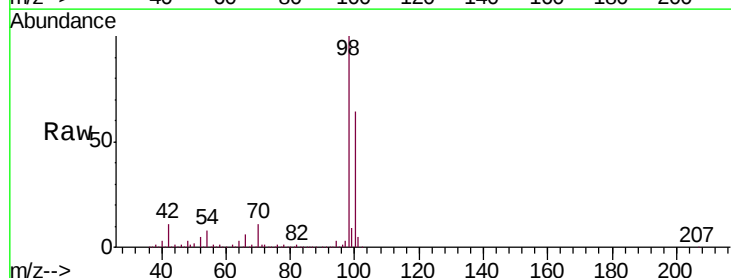
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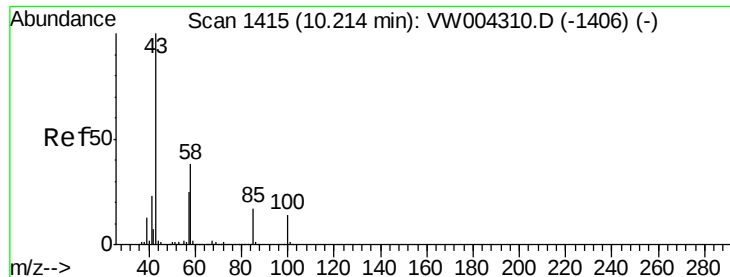
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#50
Toluene-d8
Concen: 51.77 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	98	Resp	529776
Ion Ratio	Lower	Upper	
98	100		
100	64.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 120.44 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampled :

VW0730SBS01

Tot Ion: 43 Resp: 200083

Ion Ratio Lower Upper

43 100

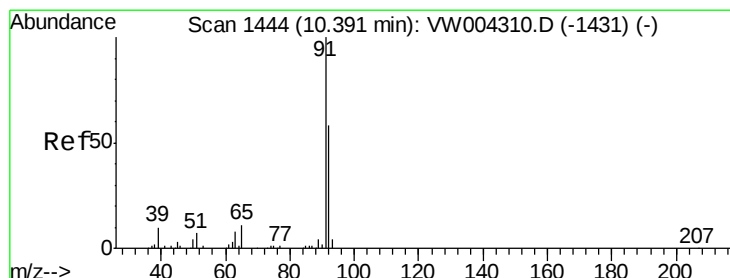
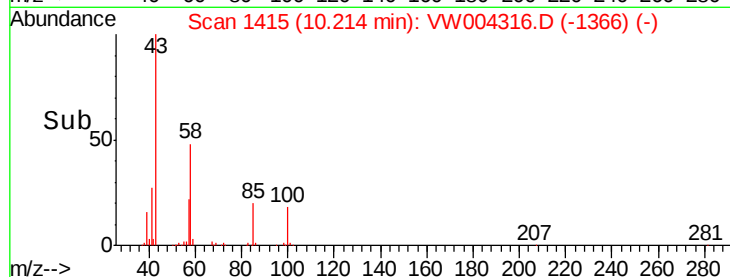
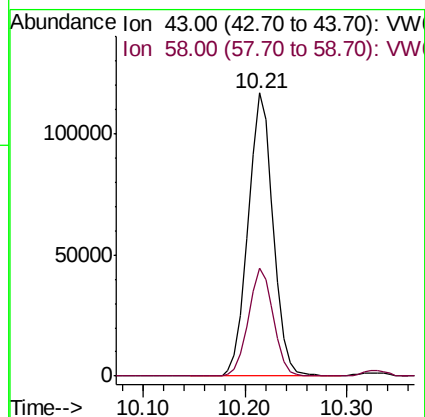
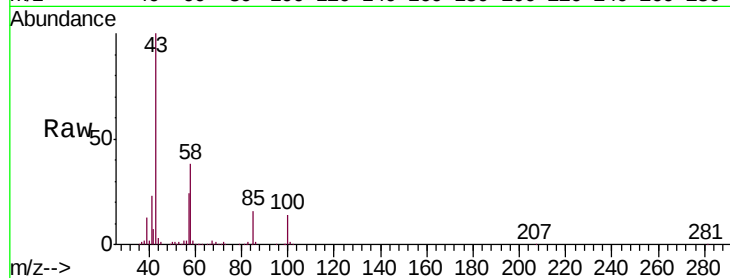
58 37.9 30.6 45.8

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#52

Toluene

Concen: 20.64 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004316.D

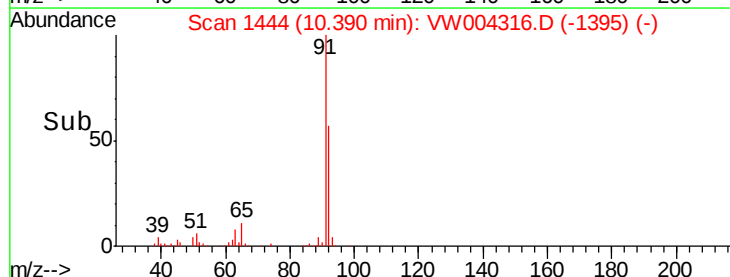
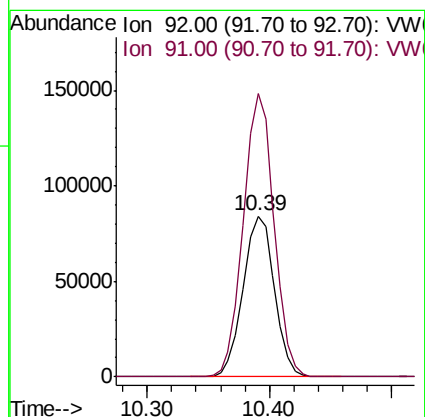
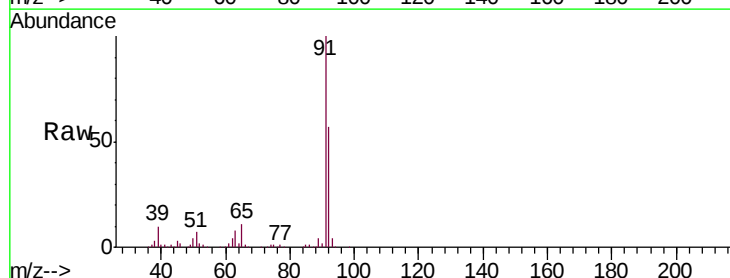
Acq: 29 Jul 2018 16:30

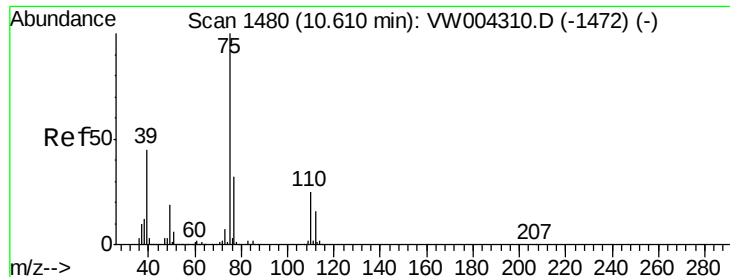
Tgt Ion: 92 Resp: 149437

Ion Ratio Lower Upper

92 100

91 172.8 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 20.39 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 75 Resp: 75671

Ion Ratio Lower Upper

75 100

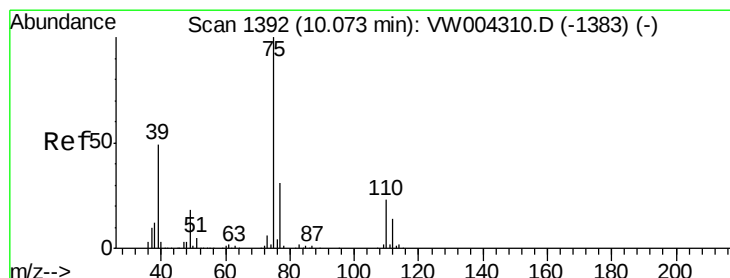
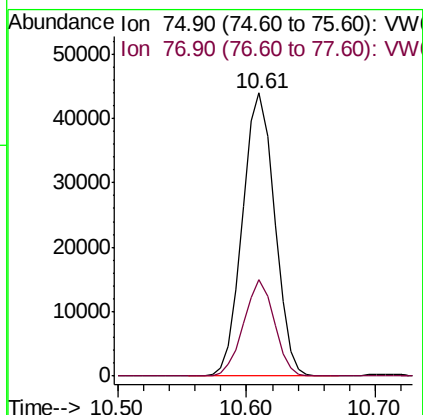
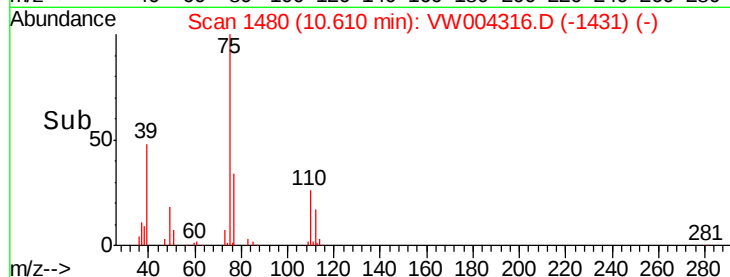
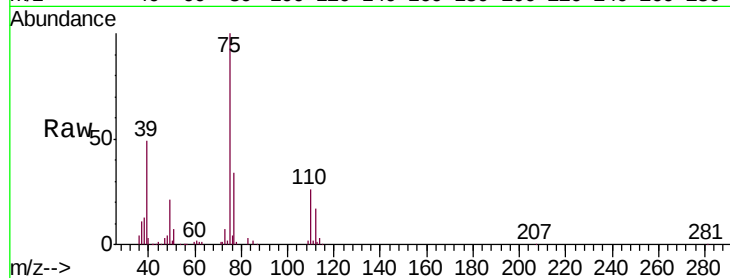
77 34.2 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 20.92 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

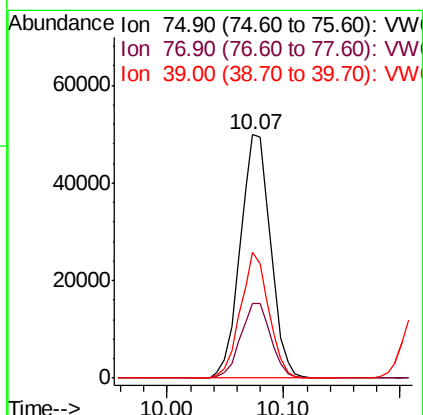
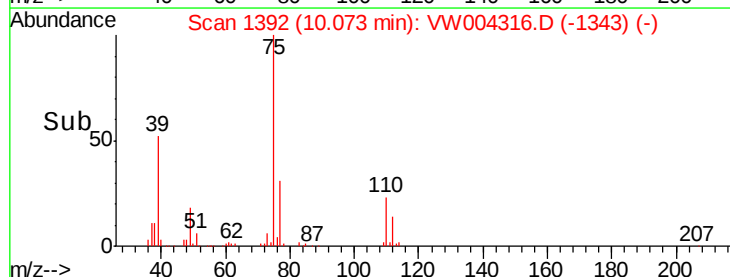
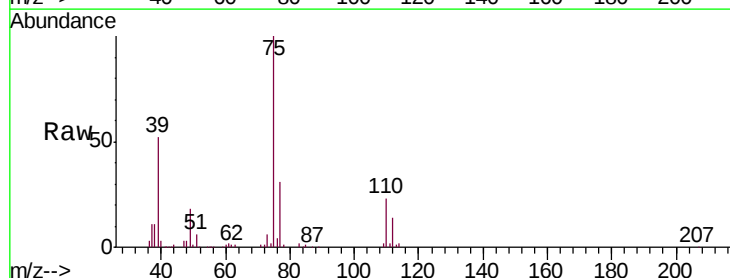
Tgt Ion: 75 Resp: 90526

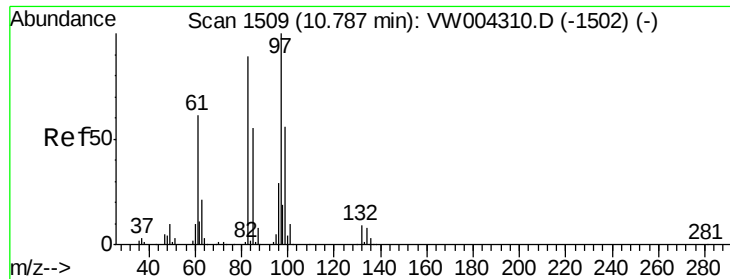
Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4

39 51.7 39.0 58.6





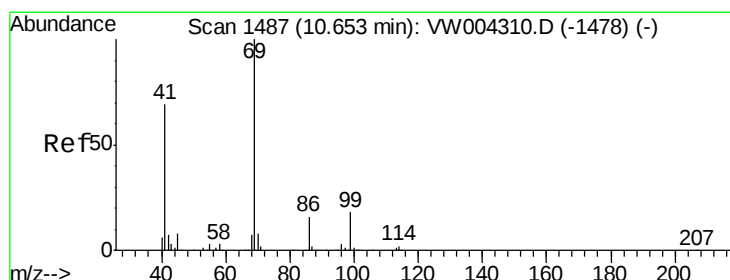
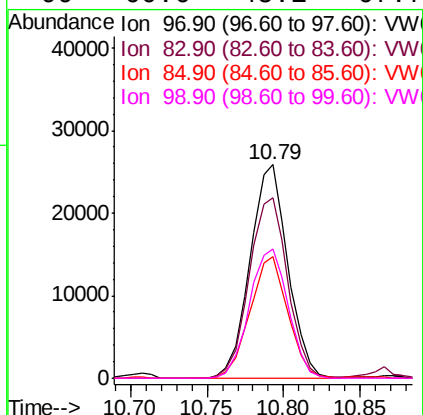
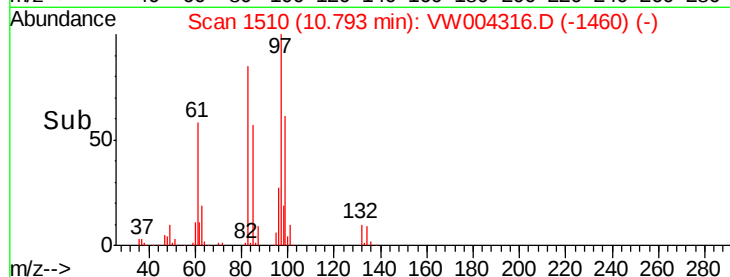
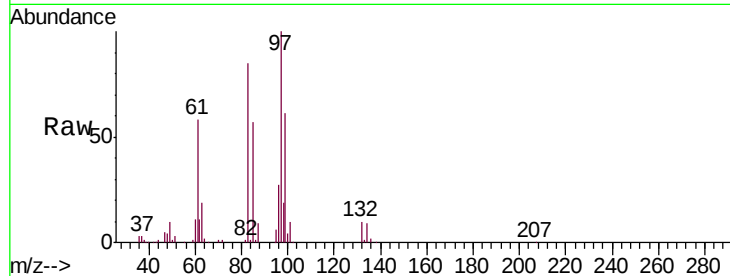
#55
 1,1,2-Trichloroethane
 Concen: 21.32 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion:	97	Resp:	44386
Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.8	106.2
85	56.9	43.7	65.5
99	60.6	45.1	67.7

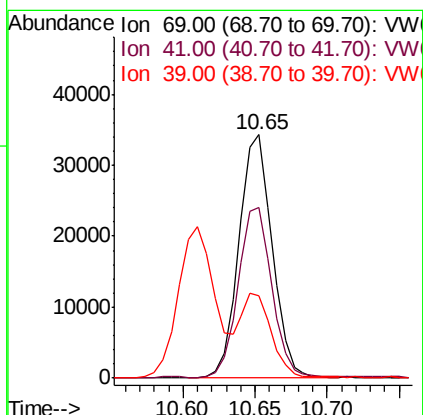
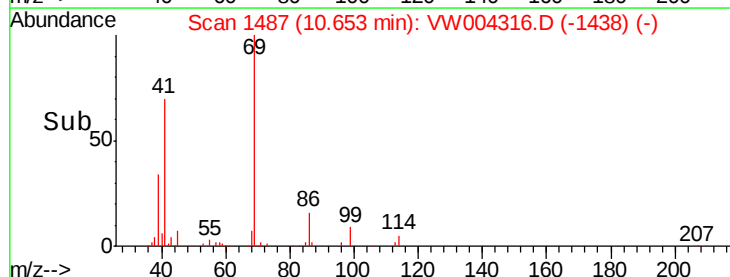
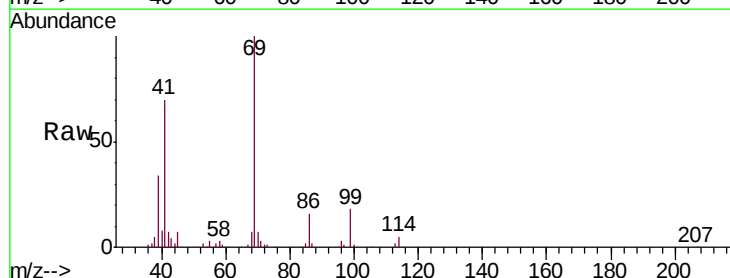
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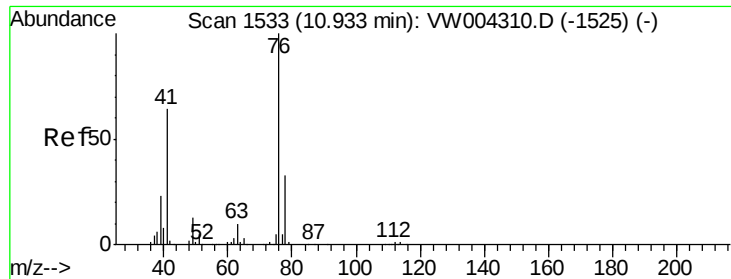
apatel
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#56
 Ethyl methacrylate
 Concen: 21.81 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion:	69	Resp:	54941
Ion	Ratio	Lower	Upper
69	100		
41	70.5	54.7	82.1
39	31.5	24.4	36.6





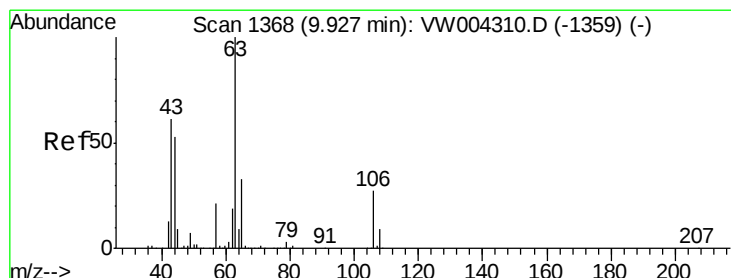
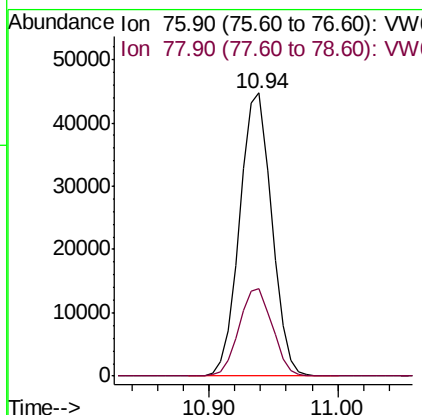
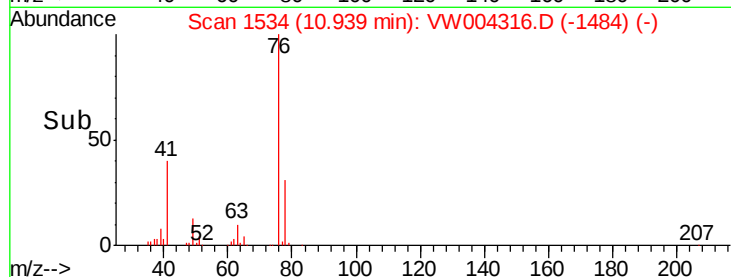
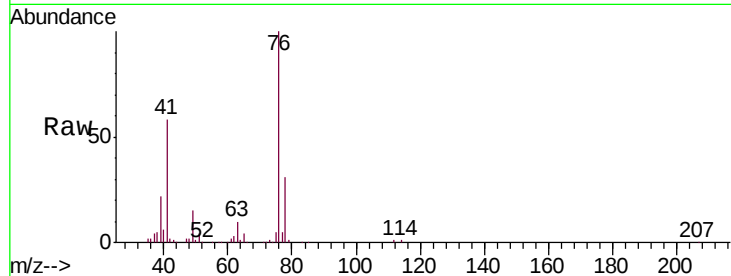
#57
 1,3-Dichloropropane
 Concen: 21.74 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion: 76 Resp: 77085
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

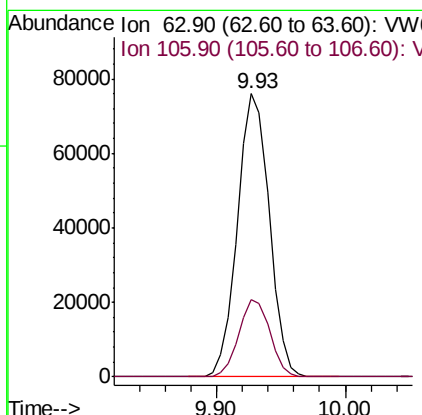
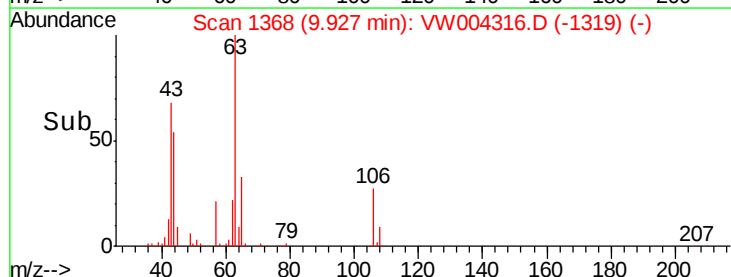
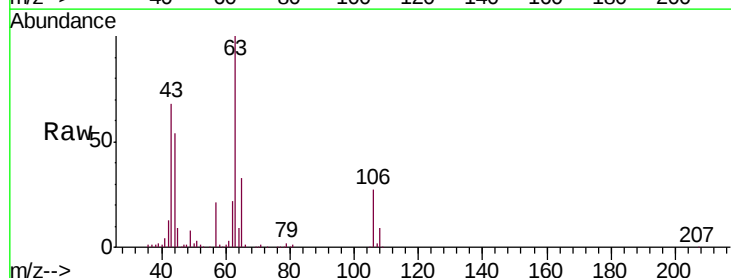
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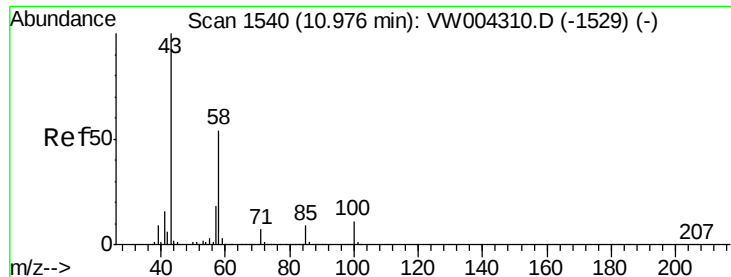
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.21 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion: 63 Resp: 130041
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.9 32.9





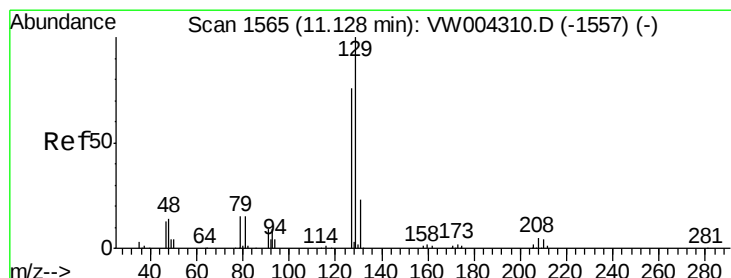
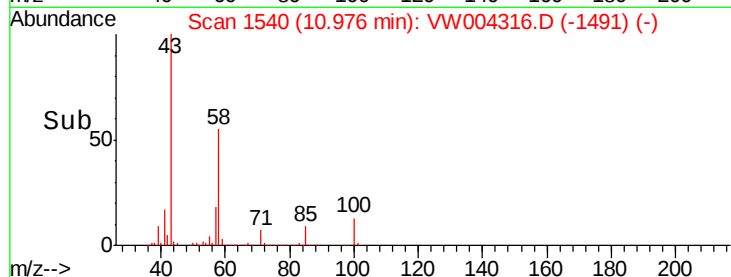
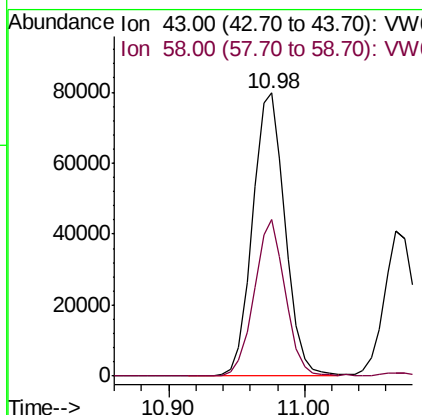
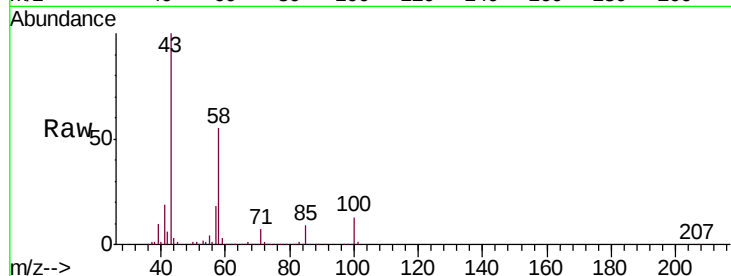
#59
2-Hexanone
Concen: 117.17 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	43	Resp	133652
Ion Ratio	43	100	
Lower	58	52.9	26.5
Upper			79.4

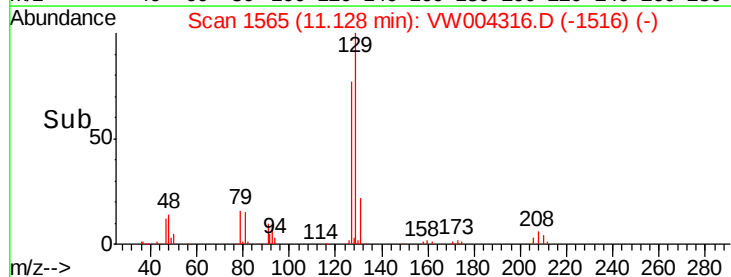
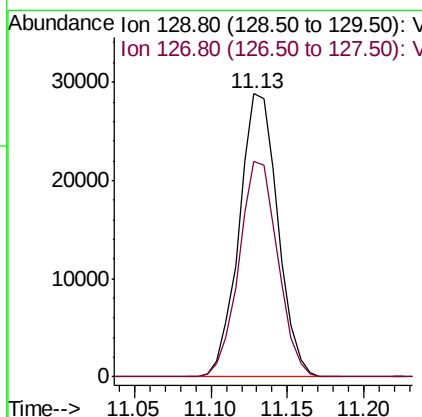
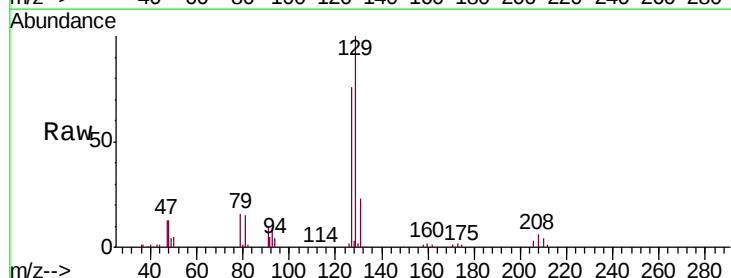
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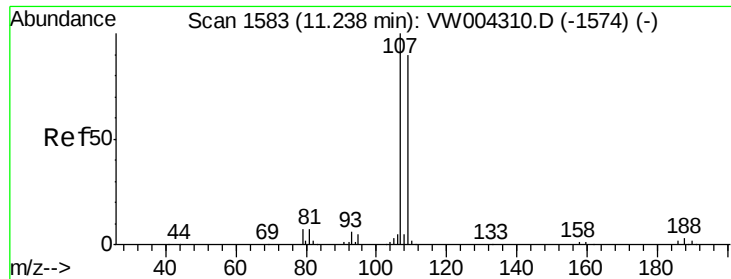
apatel
7/30/2018 10:32:54 AM



#60
Dibromochloromethane
Concen: 20.28 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	129	Resp	50514
Ion Ratio	129	100	
Lower	127	76.6	38.9
Upper			116.7





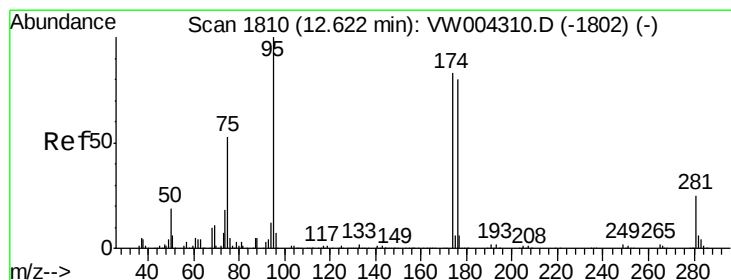
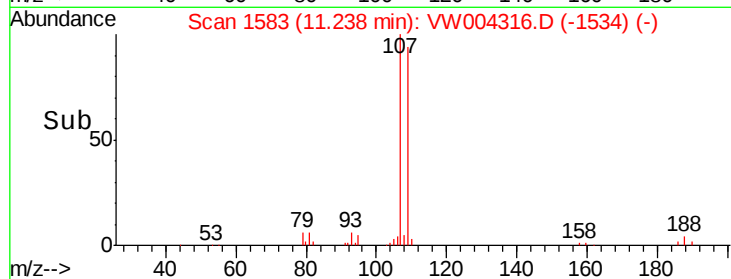
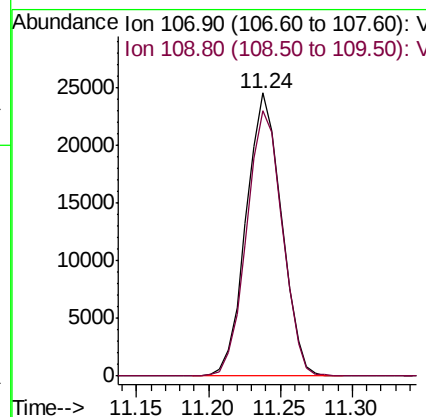
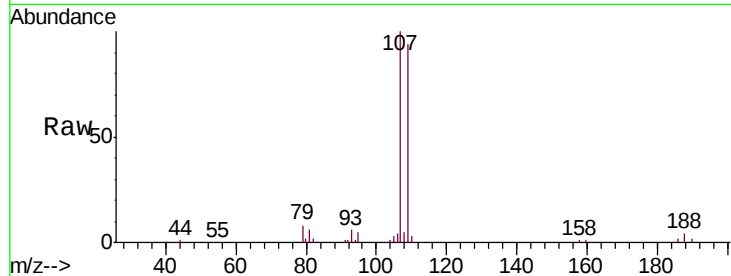
#61
 1,2-Dibromoethane
 Concen: 21.00 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.6	112.0

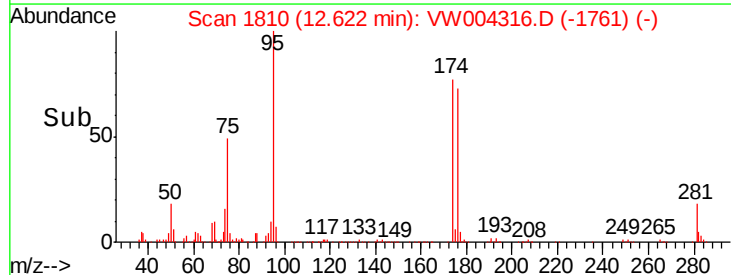
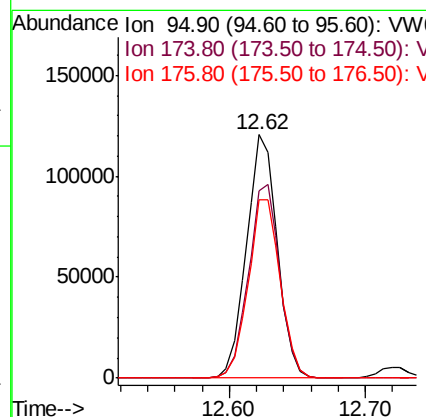
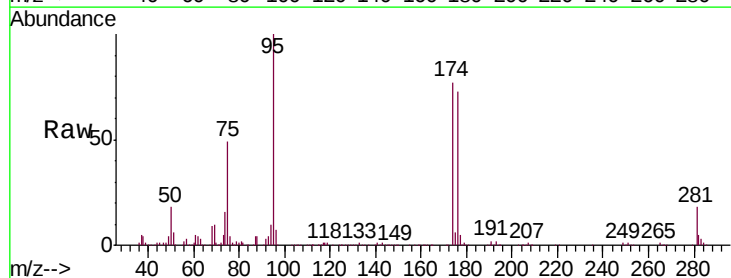
Manual Integrations
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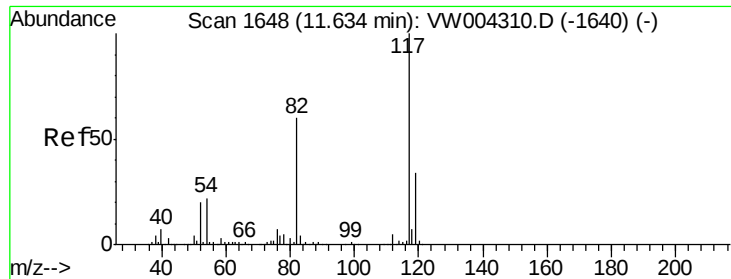
apatel
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#62
 4-Bromofluorobenzene
 Concen: 52.91 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	167.8
176	76.7	0.0	162.4





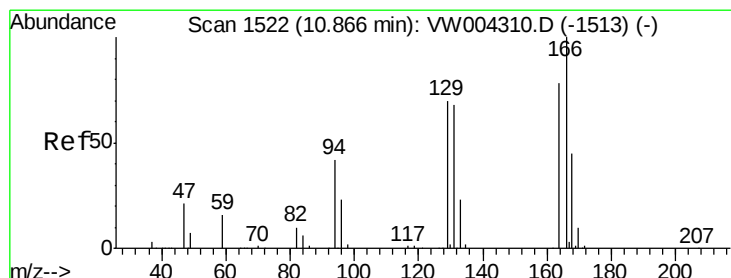
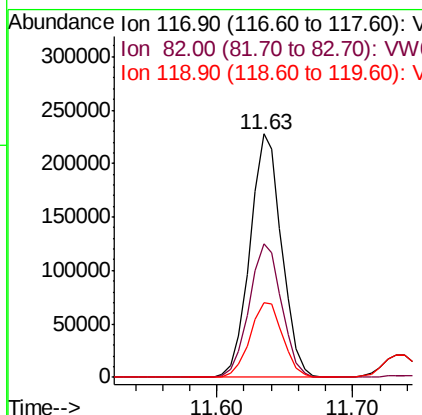
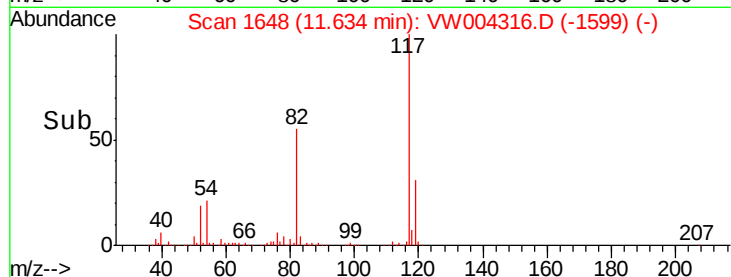
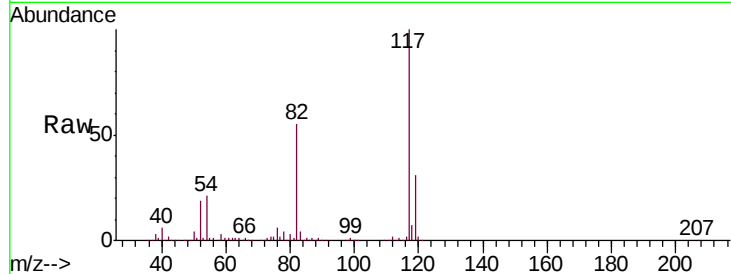
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	371573		
82	54.9		47.9	71.9
119	30.7		27.1	40.7

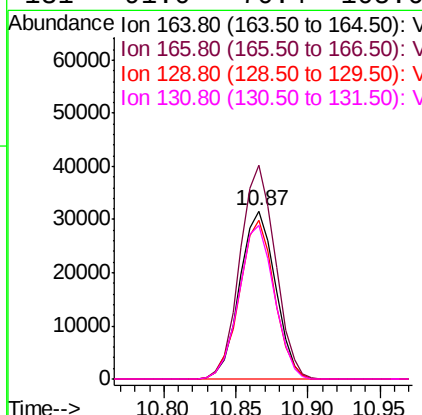
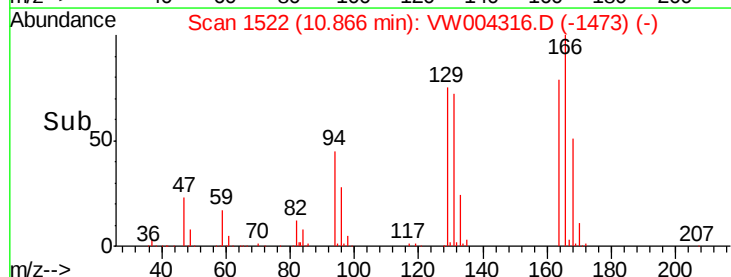
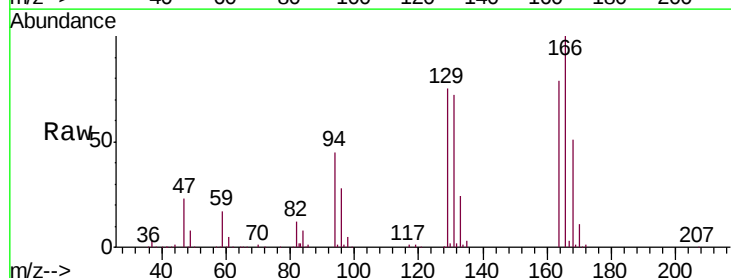
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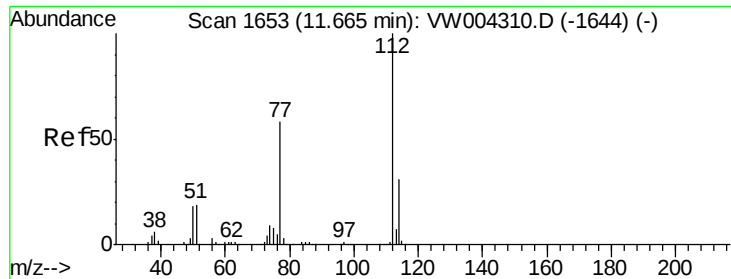
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#64
Tetrachloroethene
Concen: 19.88 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54119		
166	126.9		103.2	154.8
129	94.6		72.1	108.1
131	91.0		70.4	105.6





#65

Chlorobenzene

Concen: 20.50 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion:112 Resp: 159985

Ion Ratio Lower Upper

112 100

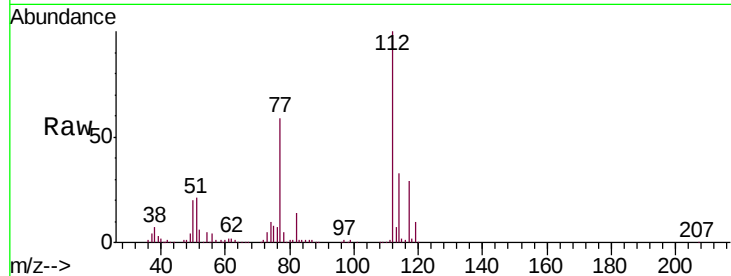
114 32.7 24.7 37.1

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

100000

80000

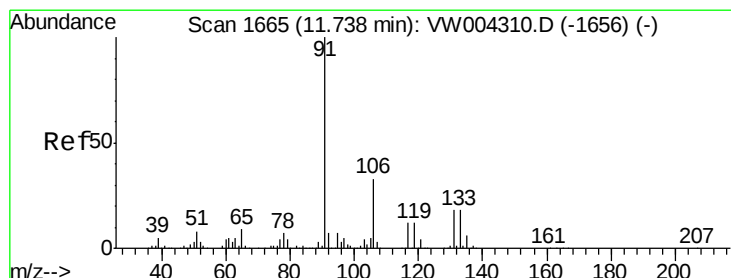
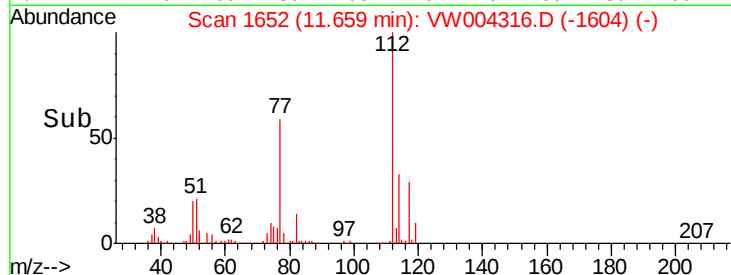
60000

40000

20000

0

Time--> 11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 20.15 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

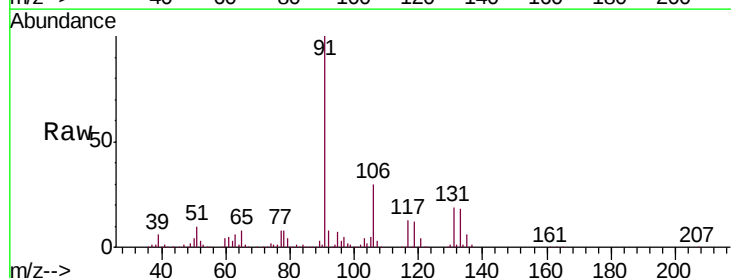
Tgt Ion:131 Resp: 55462

Ion Ratio Lower Upper

131 100

133 94.3 48.6 145.9

119 65.6 33.1 99.5



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

80000

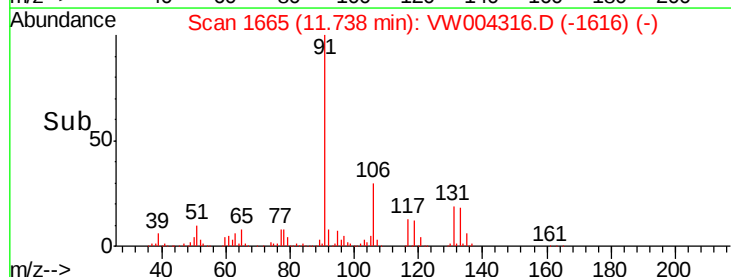
60000

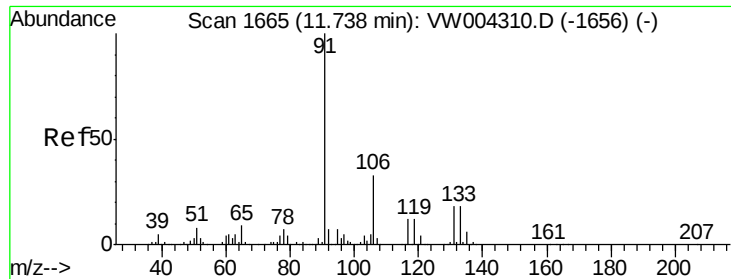
40000

20000

0

Time--> 11.65 11.70 11.75 11.80





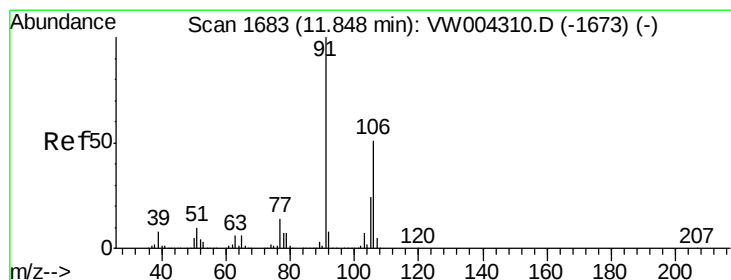
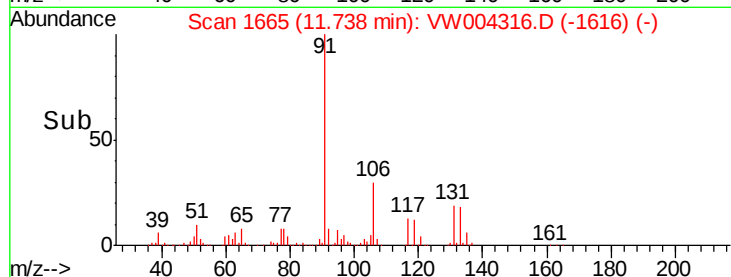
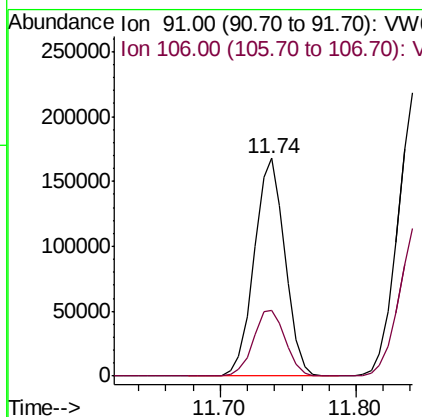
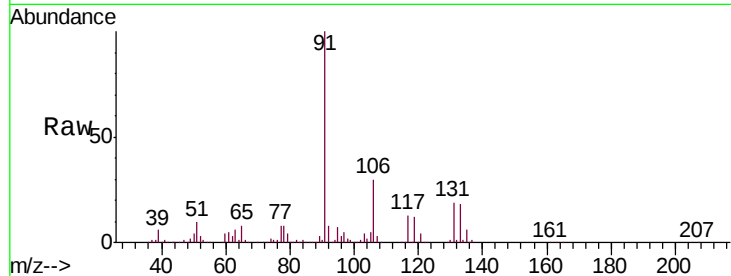
#67
Ethyl Benzene
Concen: 19.56 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion: 91 Resp: 266063
Ion Ratio Lower Upper
91 100
106 30.3 26.1 39.1

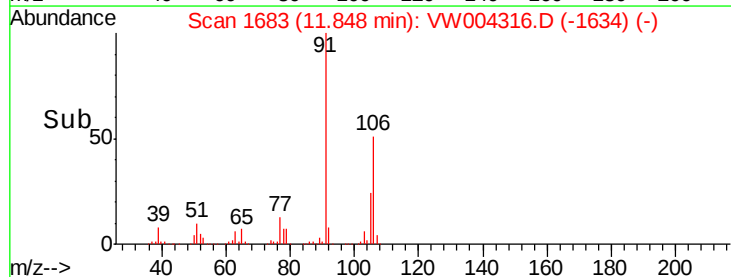
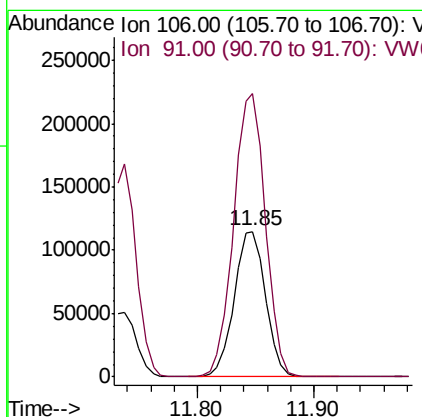
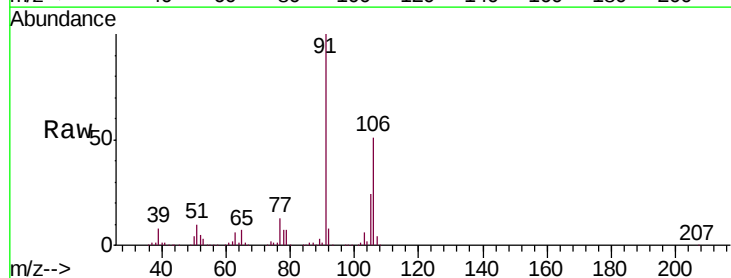
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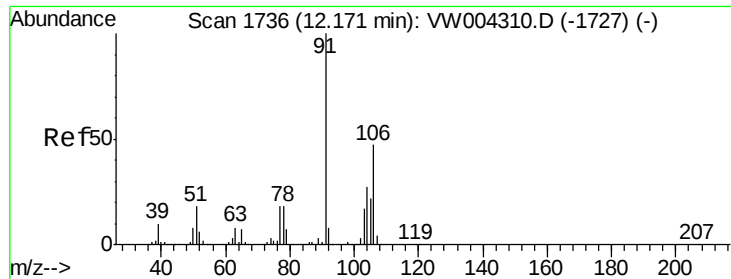
apatel
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#68
m/p-Xylenes
Concen: 41.04 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion: 106 Resp: 214819
Ion Ratio Lower Upper
106 100
91 197.7 162.2 243.2





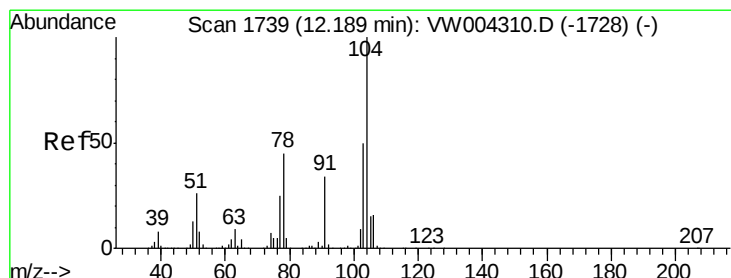
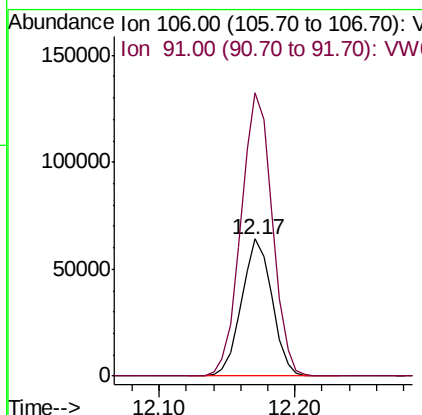
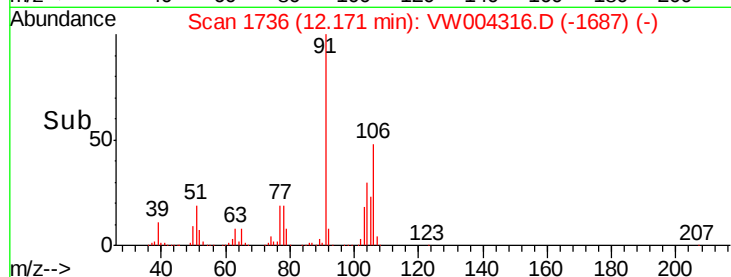
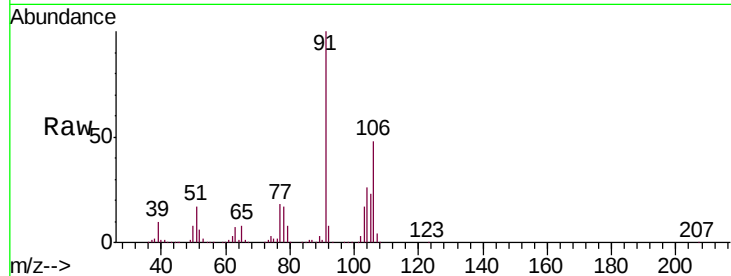
#69
o-Xylene
Concen: 20.75 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampled :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	108.7	326.1

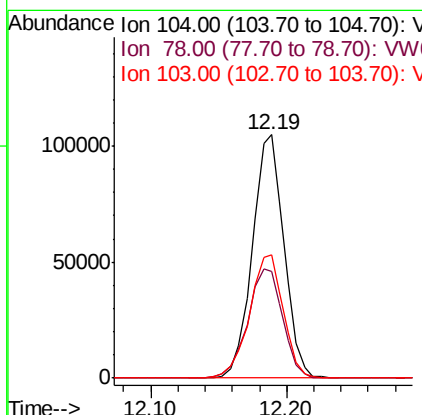
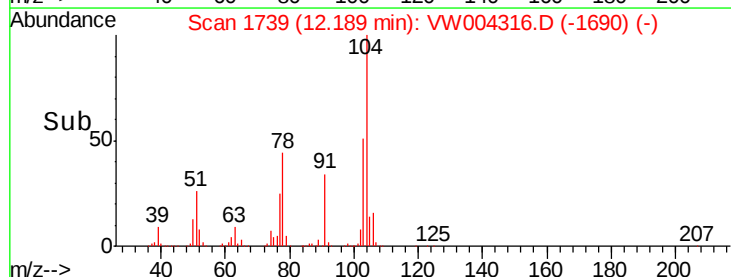
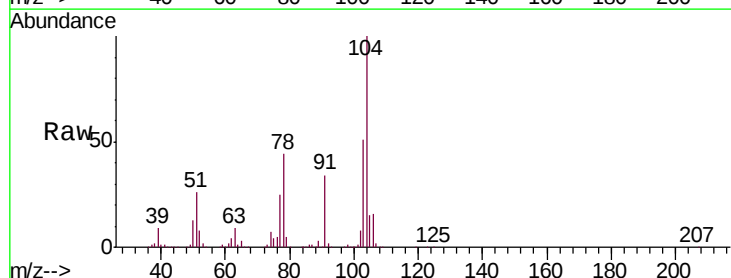
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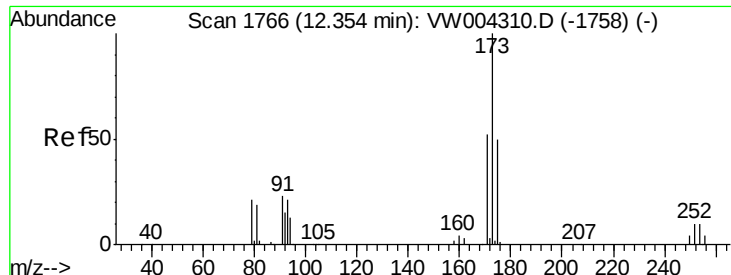
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#70
Styrene
Concen: 20.89 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	40.9	61.3
103	54.6	45.0	67.6





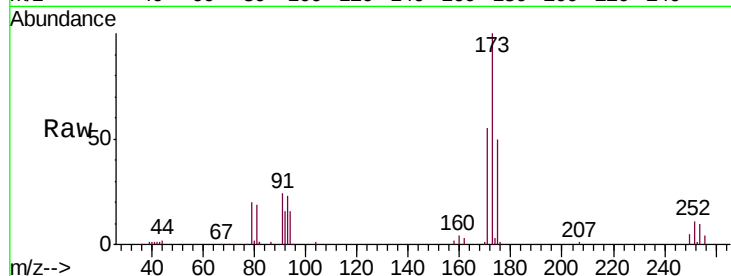
#71
Bromoform
Concen: 20.13 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.5	73.5
254	0.0	0.2	0.2

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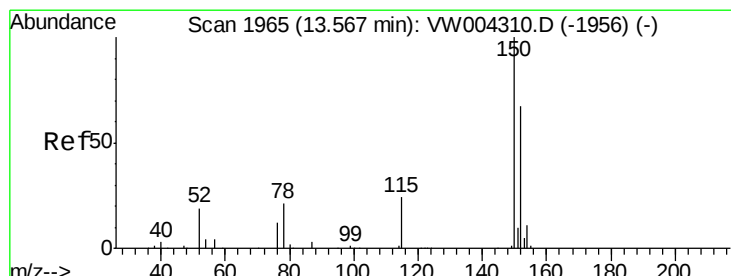
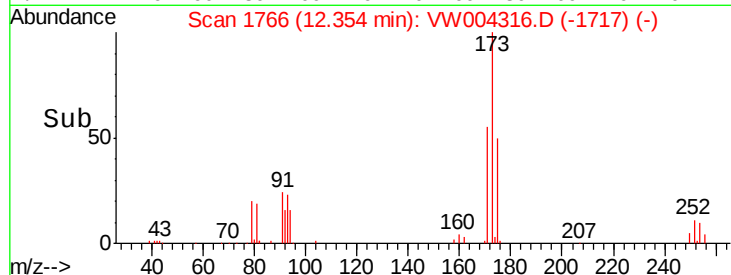
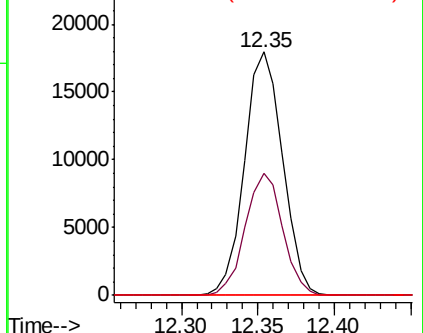


Abundance

Ion 172.70 (172.40 to 173.40): V

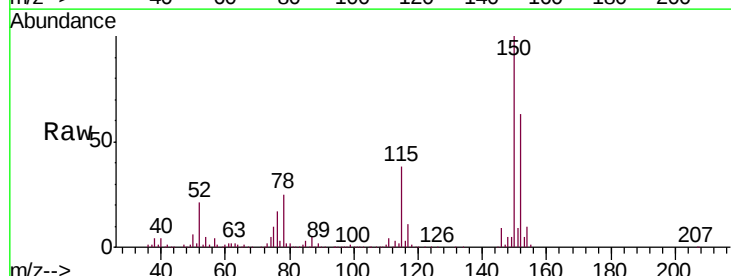
Ion 174.70 (174.40 to 175.40): V

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: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	28.8	86.4
150	168.3	0.0	346.4

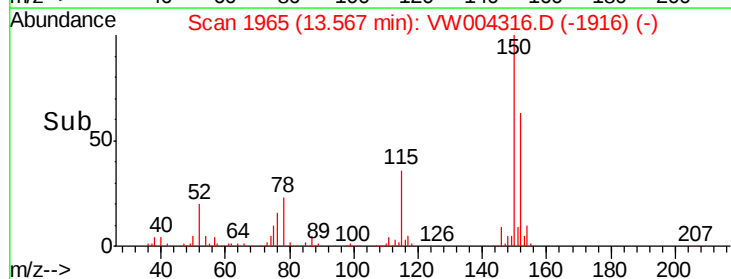
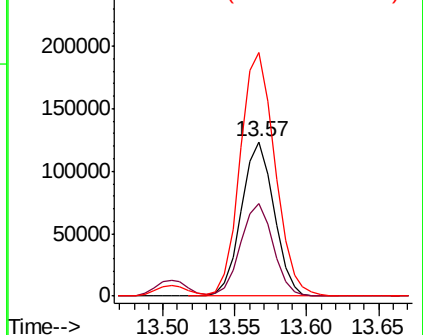


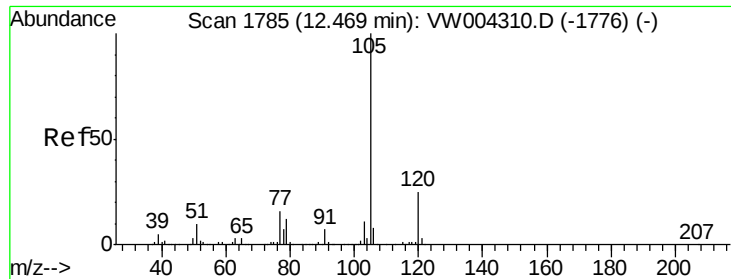
Abundance

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





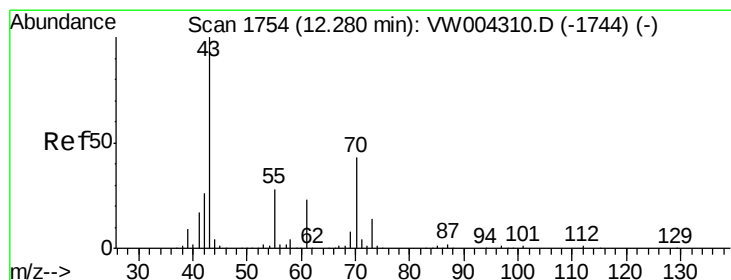
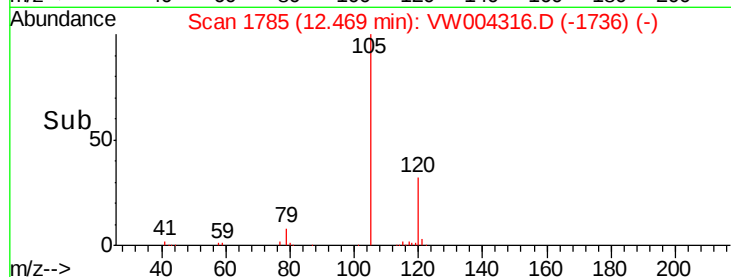
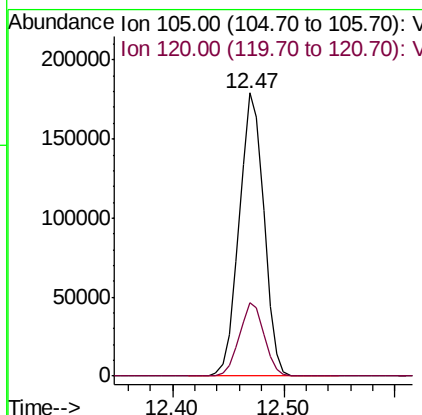
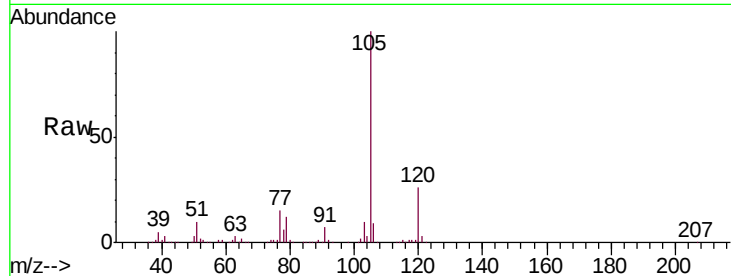
#73
Isopropylbenzene
Concen: 20.48 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6

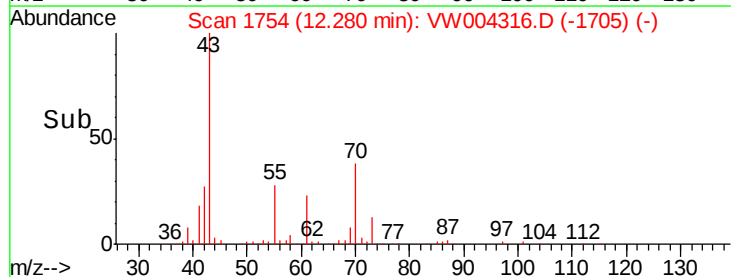
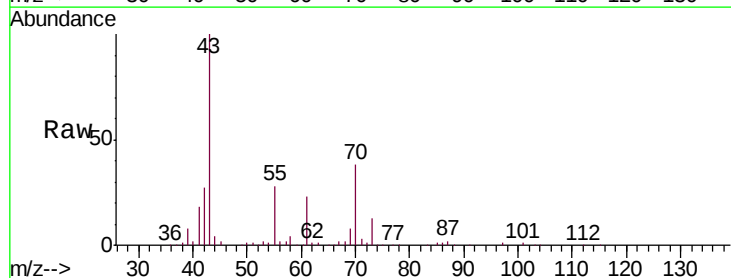
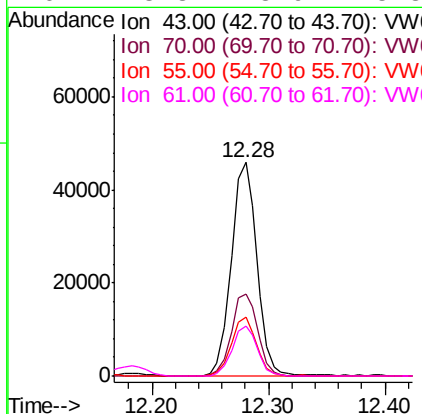
Manual Integrations
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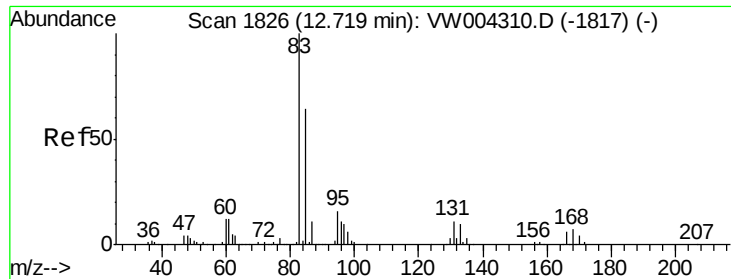
apatel
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#74
N-ethyl acetate
Concen: 22.98 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.5	34.2	51.4
55	26.9	21.8	32.8
61	23.3	18.9	28.3





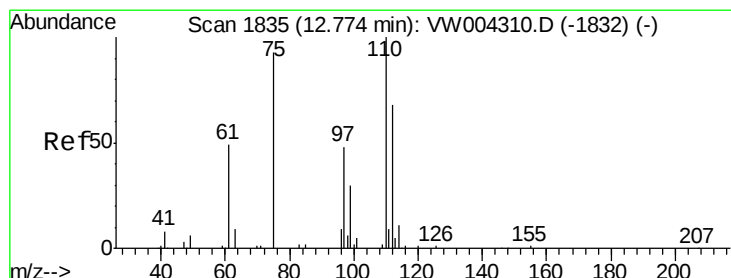
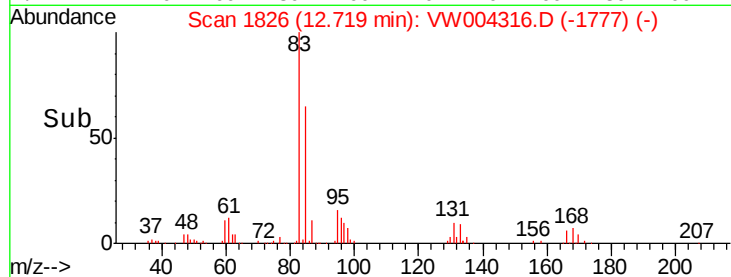
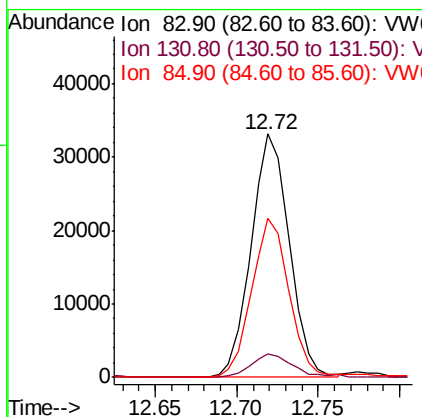
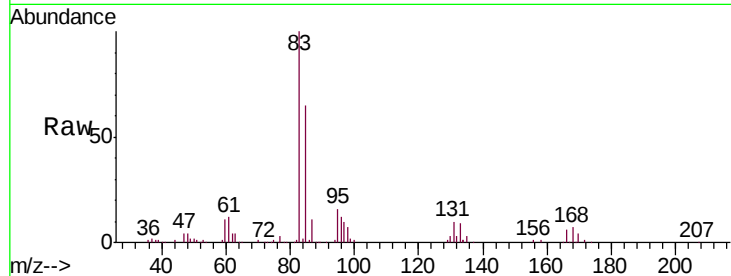
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.92 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	63.8	31.9	95.9

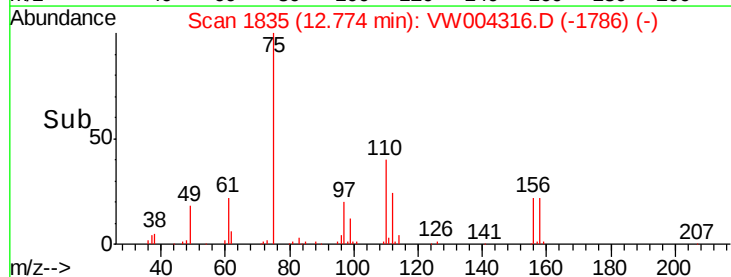
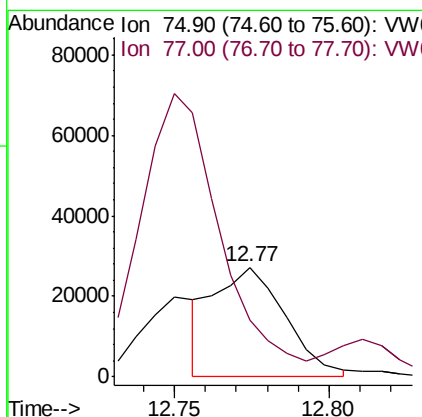
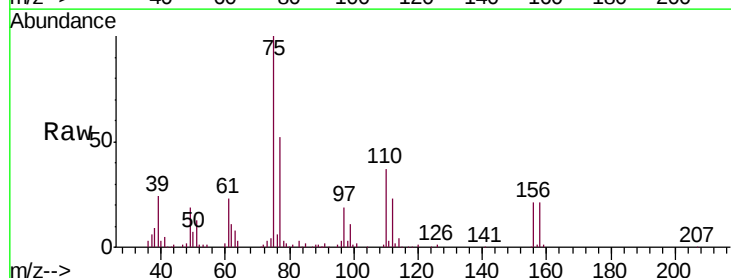
Manual Integrations
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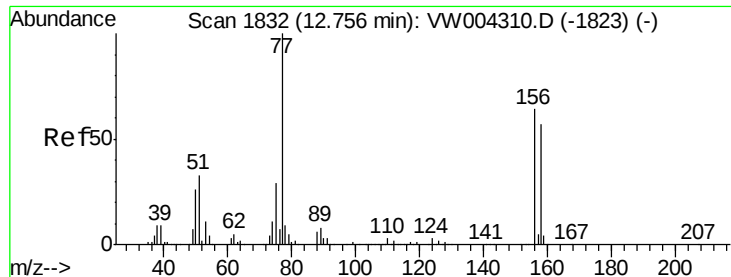
apatel
 7/30/2018 10:32:54 AM



#76
 1,2,3-Trichloropropane
 Concen: 24.53 ug/l m
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.49 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion:156 Resp: 66552

Ion Ratio Lower Upper

156 100

77 192.8 92.9 278.7

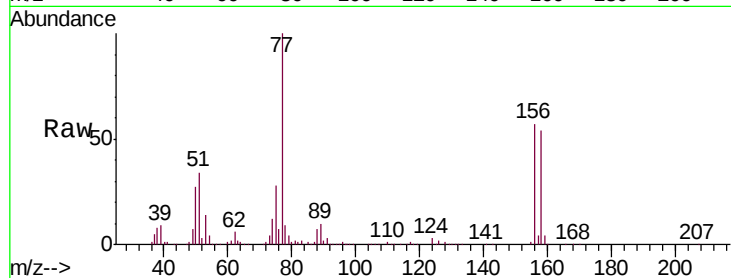
158 97.4 47.6 142.8

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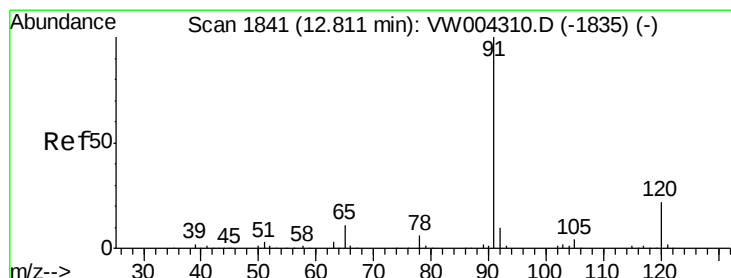
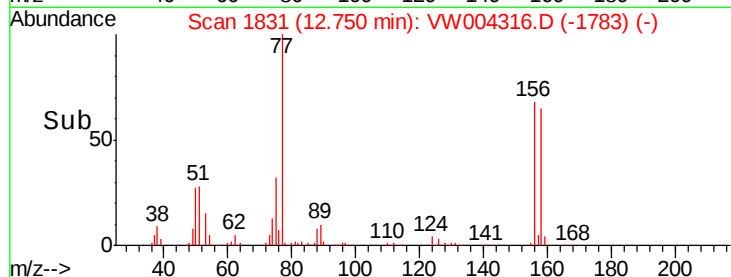
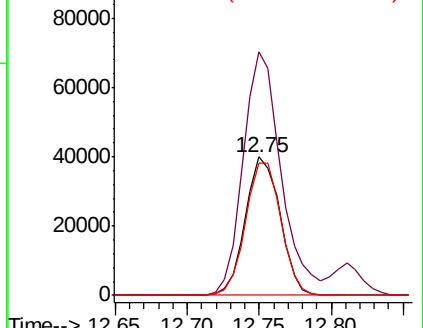
7/30/2018 10:32:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.34 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004316.D

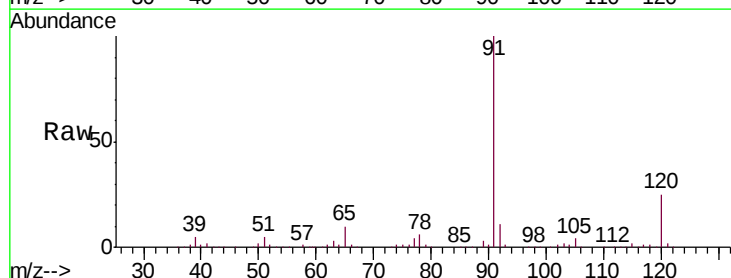
Acq: 29 Jul 2018 16:30

Tgt Ion: 91 Resp: 333076

Ion Ratio Lower Upper

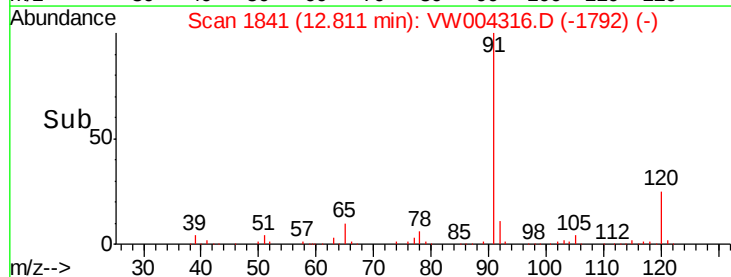
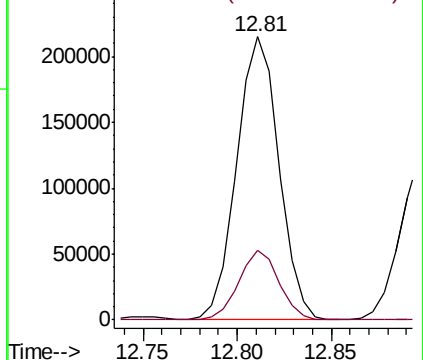
91 100

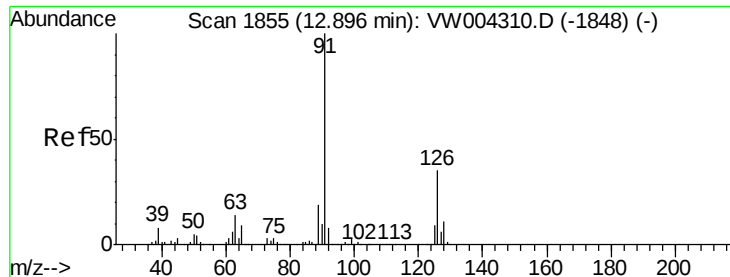
120 23.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.01 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004316.D

Acq: 29 Jul 2018 16:30

Instrument :

MSVOA_W

ClientSampleId :

VW0730SBS01

Tot Ion: 91 Resp: 196813

Ion Ratio Lower Upper

91 100

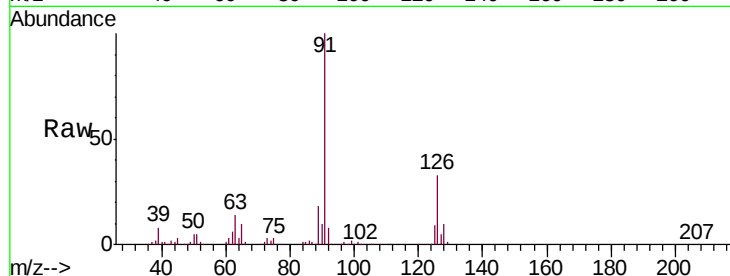
126 33.9 17.1 51.2

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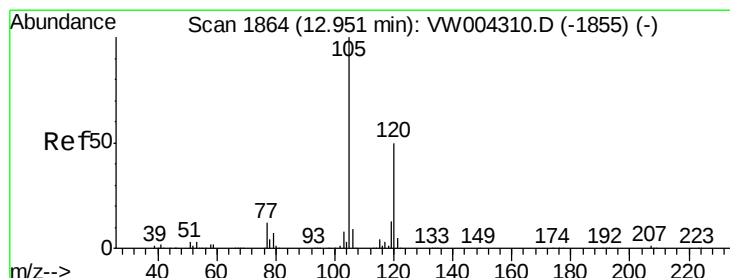
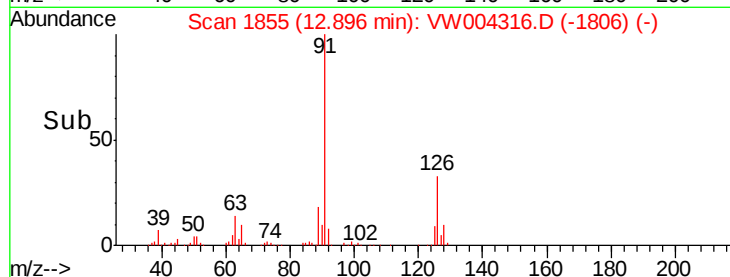
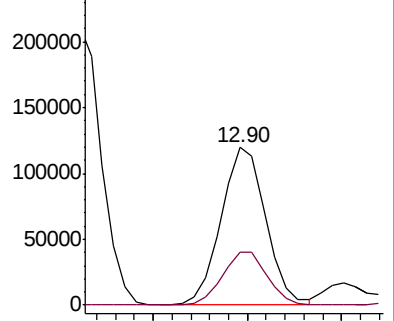
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.64 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004316.D

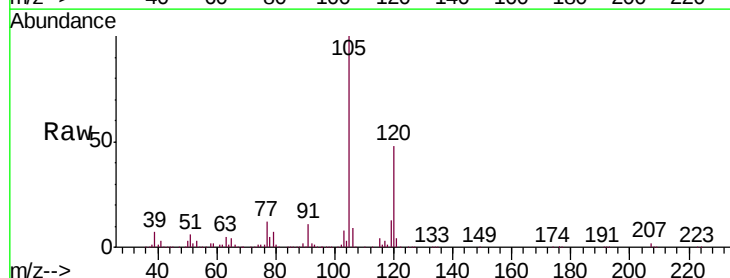
Acq: 29 Jul 2018 16:30

Tgt Ion:105 Resp: 238953

Ion Ratio Lower Upper

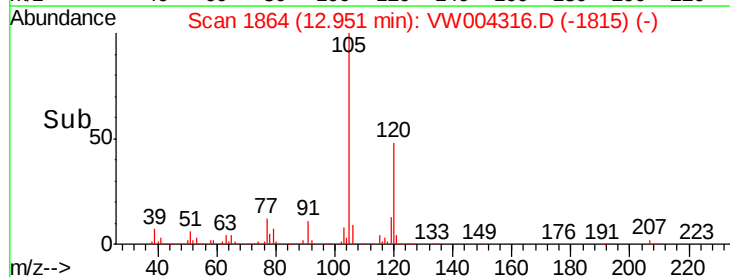
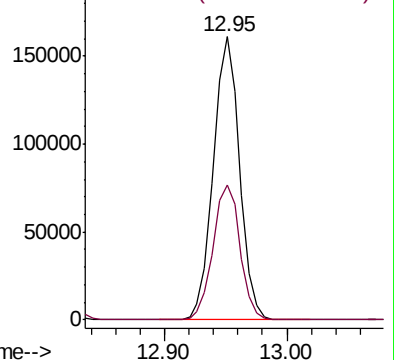
105 100

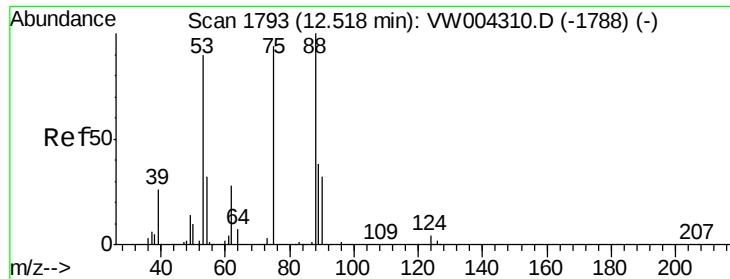
120 49.2 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





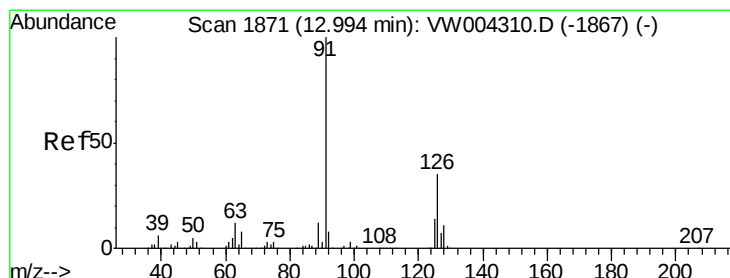
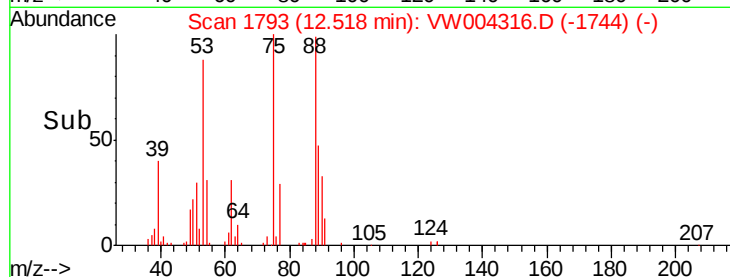
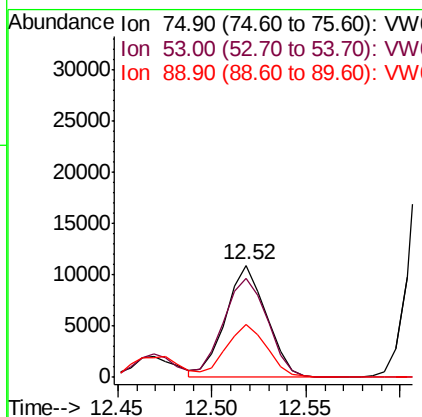
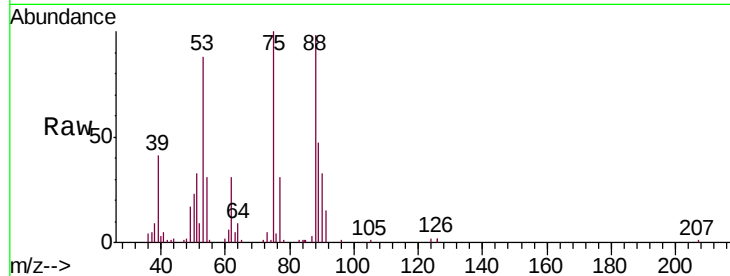
#81
trans-1,4-Dichloro-2-butene
Concen: 21.76 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	77.6	116.4
89	46.0	36.0	54.0

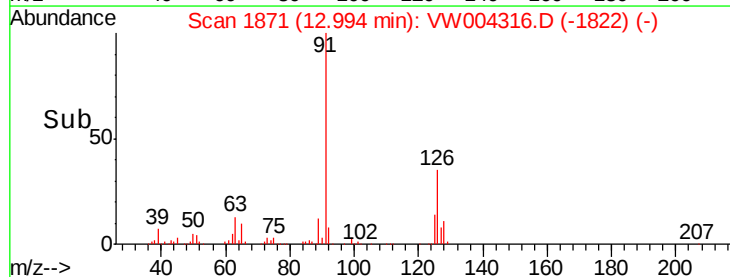
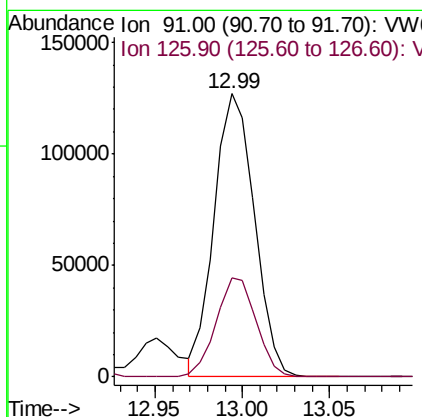
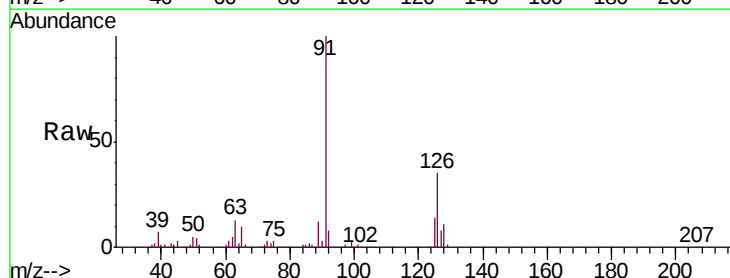
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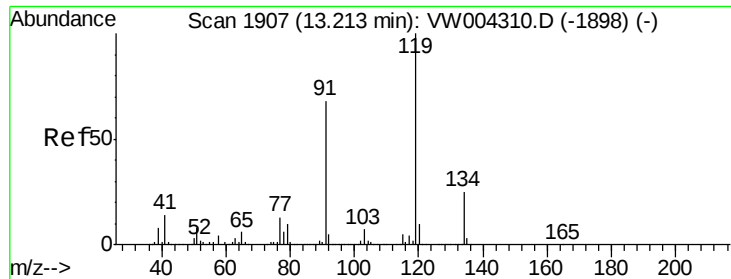
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#82
4-Chlorotoluene
Concen: 20.56 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3





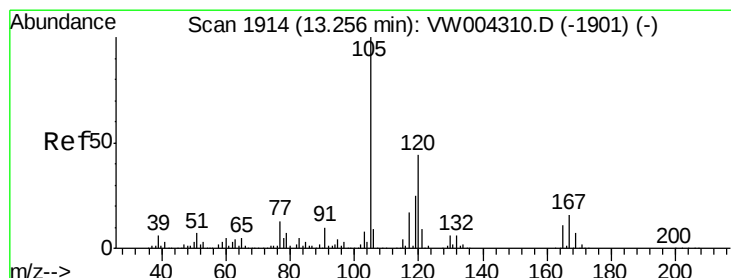
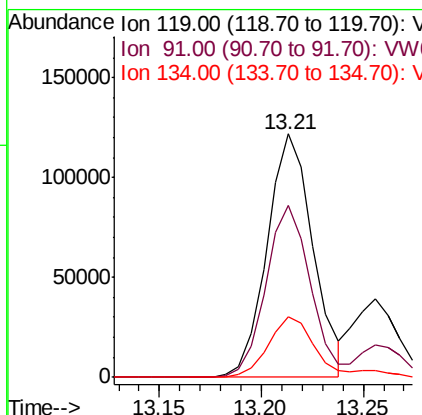
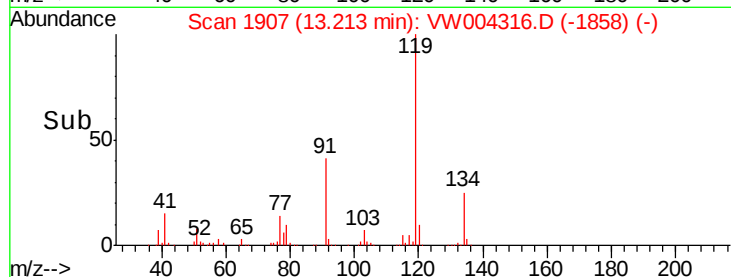
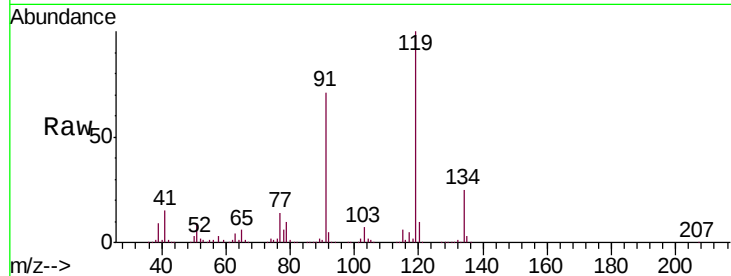
#83
tert-Butylbenzene
Concen: 19.87 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191668		
91	67.8		32.8	98.3
134	26.7		12.2	36.6

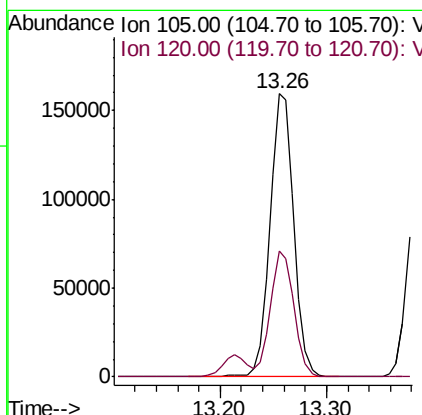
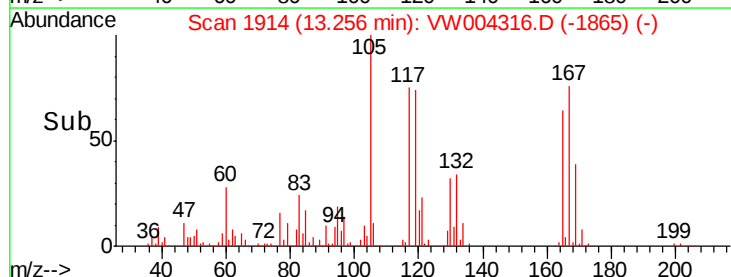
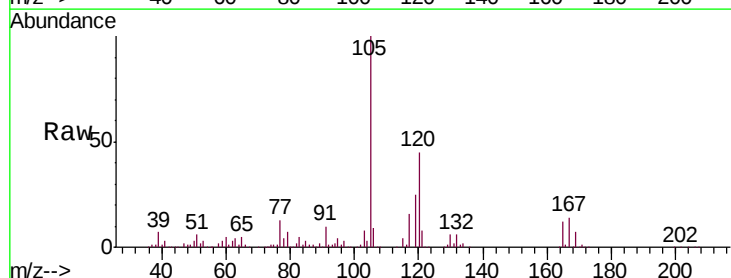
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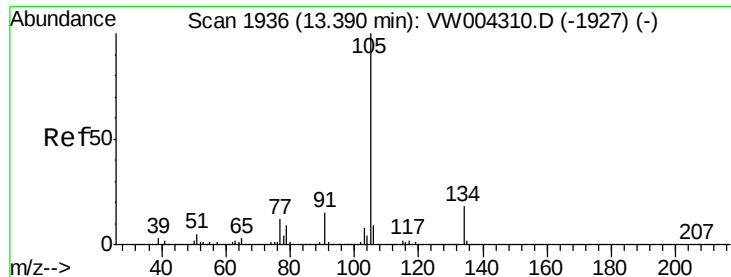
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 21.02 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	248211		
120	44.0		22.7	68.0





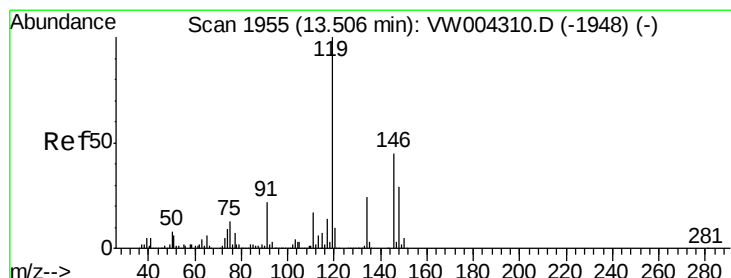
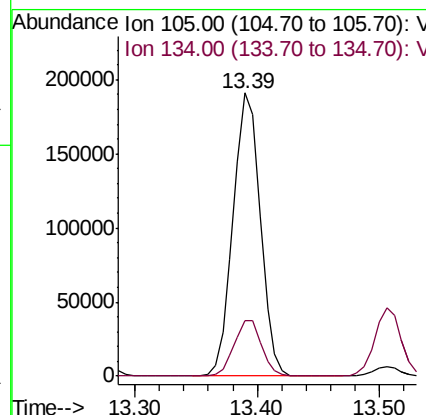
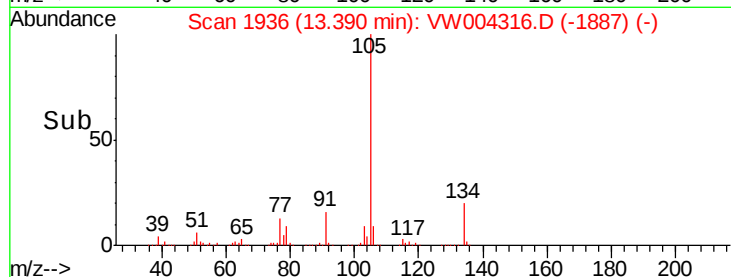
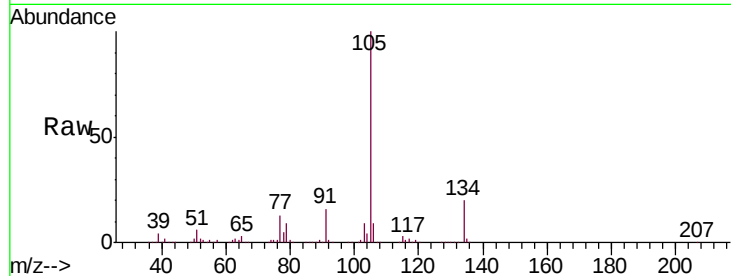
#85
 sec-Butylbenzene
 Concen: 20.79 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	292924		
134	19.9	9.6	28.8	

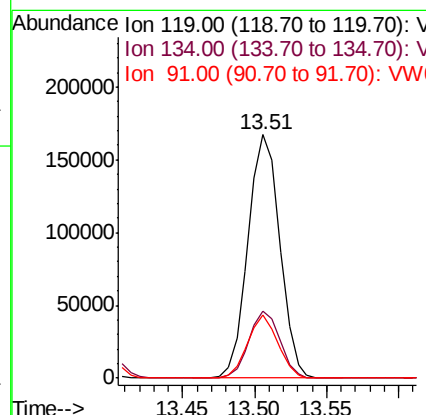
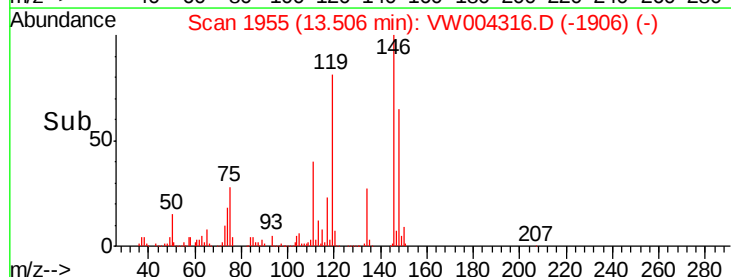
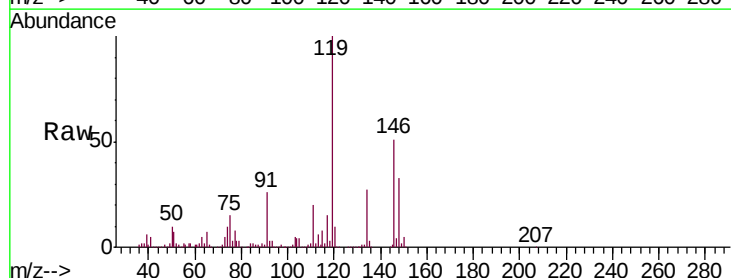
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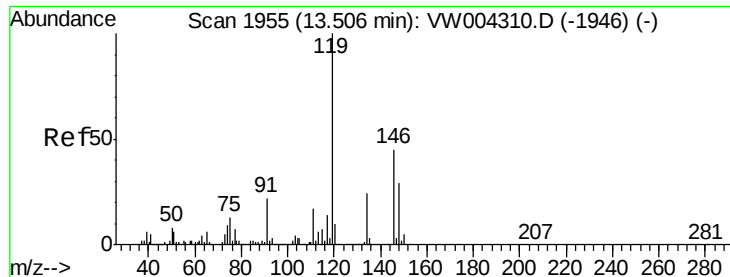
apatel
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#86
 p-Isopropyltoluene
 Concen: 20.14 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	254821		
134	26.9	12.6	37.8	
91	24.7	11.3	33.9	





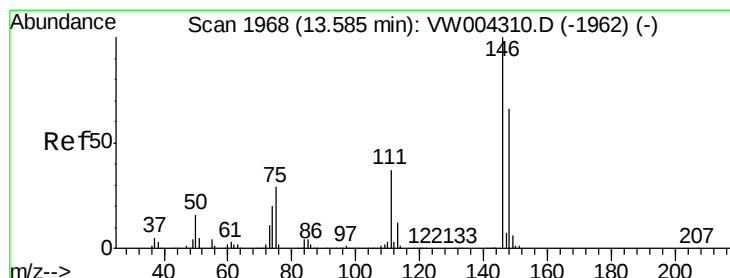
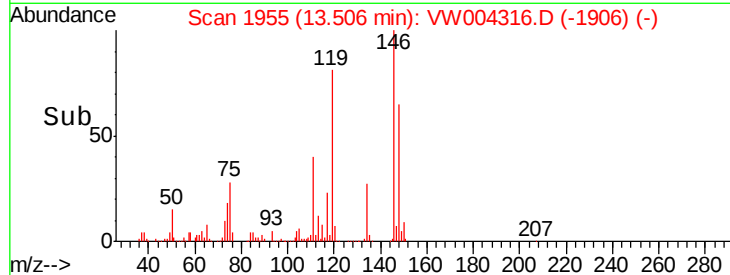
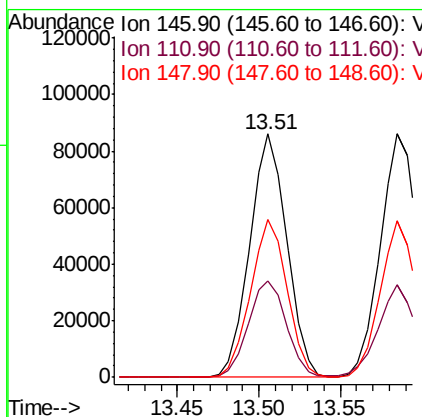
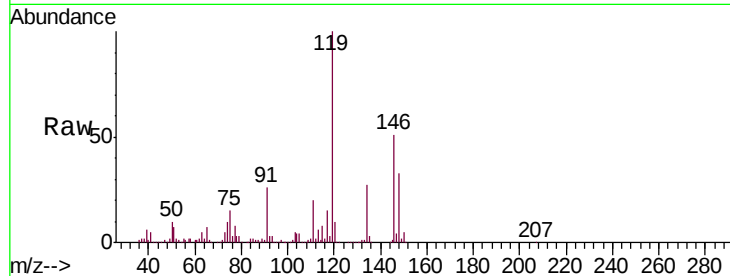
#87
 1,3-Dichlorobenzene
 Concen: 20.95 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	136180		
111	40.4	19.9	59.6	
148	63.9	31.9	95.5	

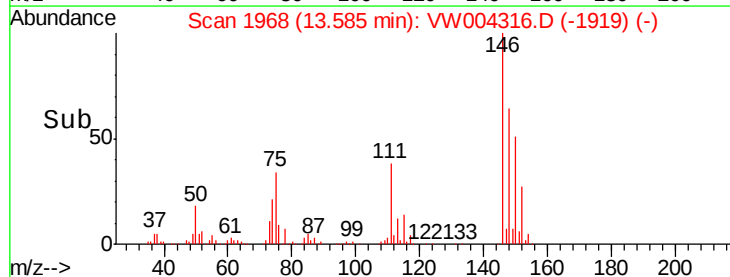
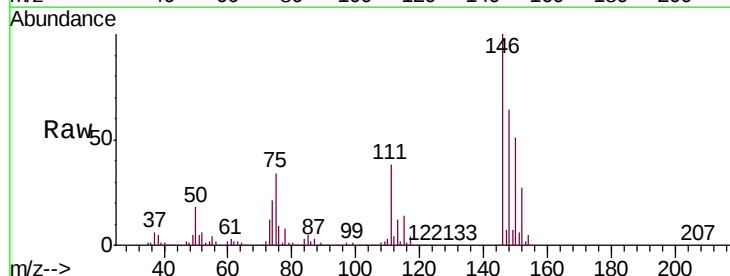
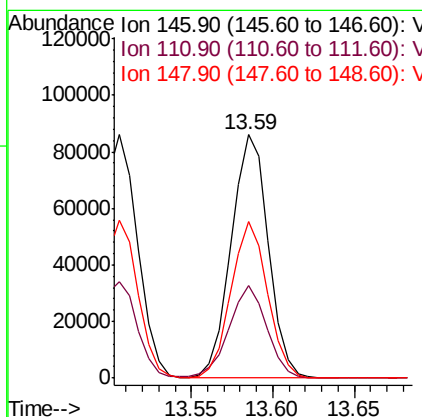
Manual Integrations
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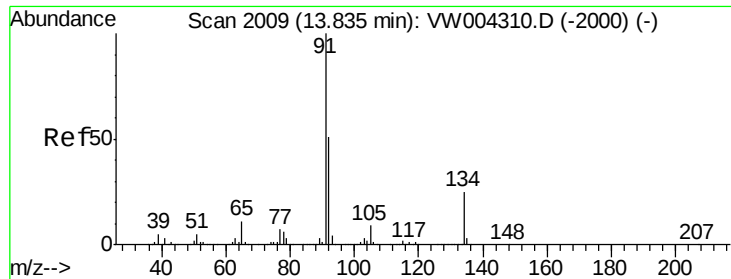
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	136285		
111	38.9	19.4	58.1	
148	63.2	32.8	98.3	





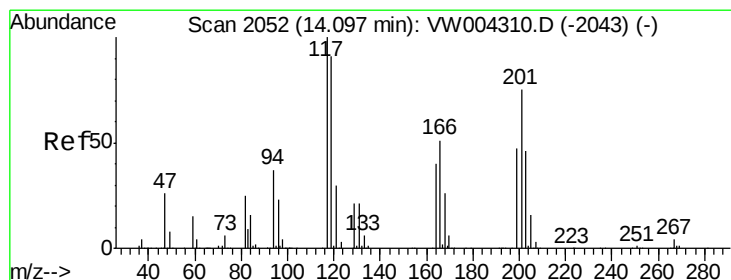
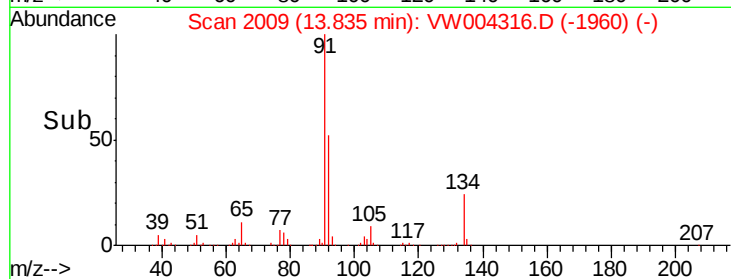
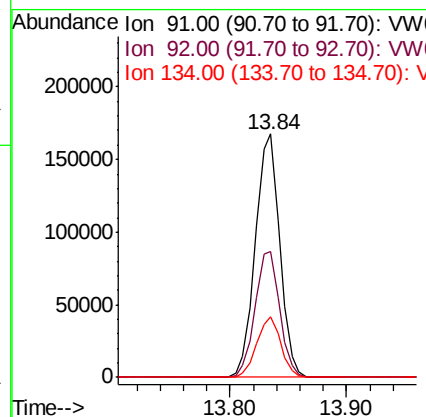
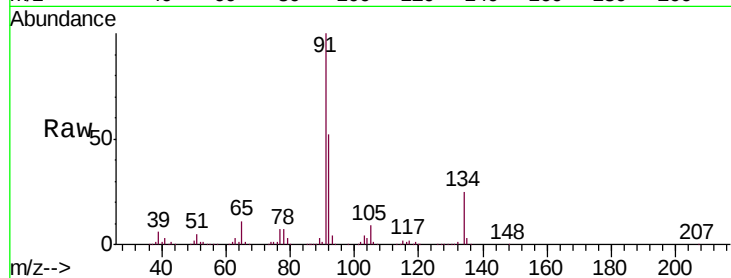
#89
n-Butylbenzene
Concen: 20.79 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	245747		
92	52.2	26.4	79.2	
134	24.5	12.9	38.6	

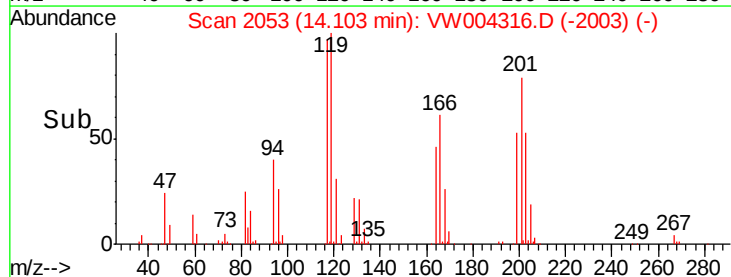
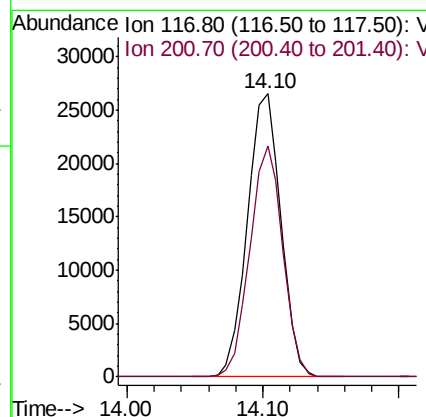
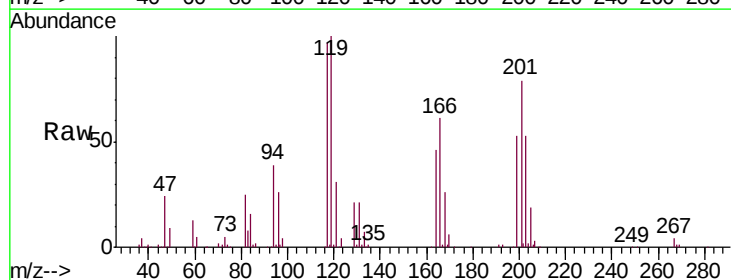
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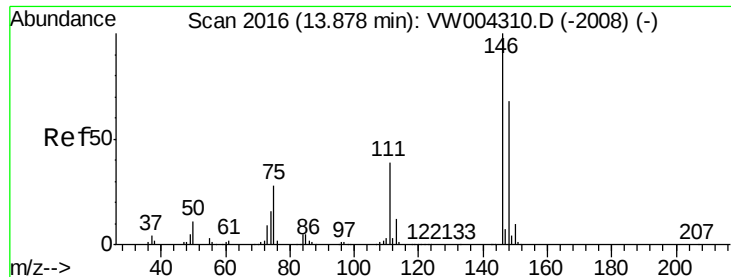
apatel
7/30/2018 10:32:54 AM



#90
Hexachloroethane
Concen: 20.32 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45877		
201	79.9	41.5	124.5	





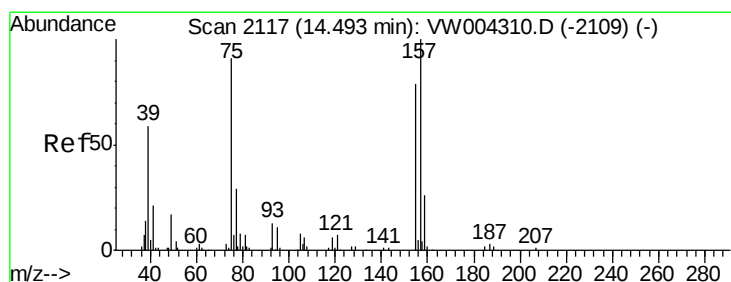
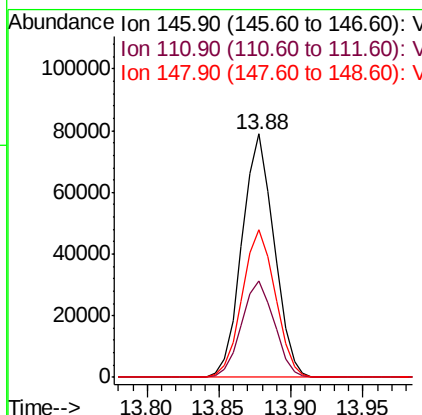
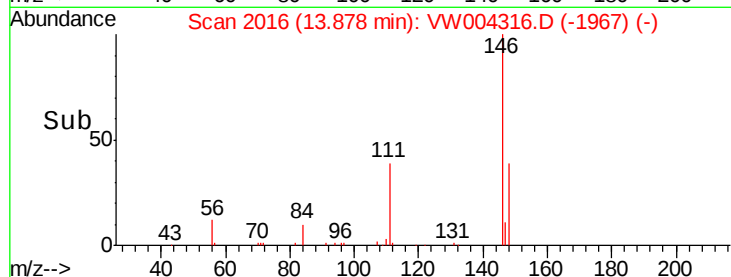
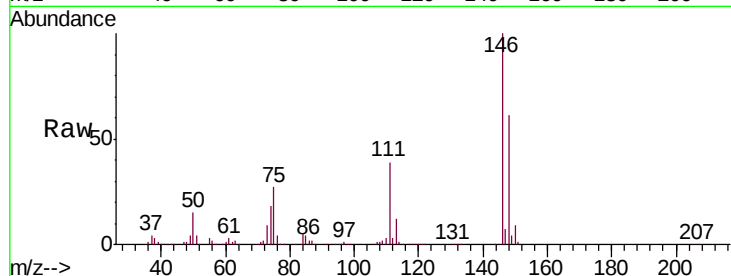
#91
 1,2-Dichlorobenzene
 Concen: 20.97 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0730SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.1
148	62.7	32.0	96.0

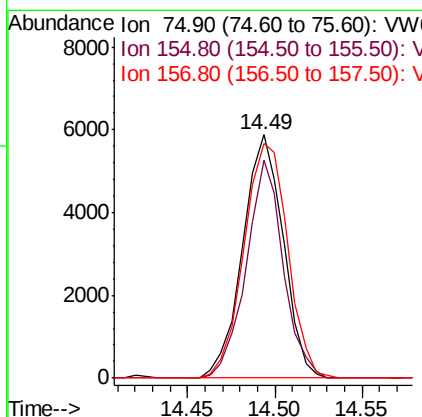
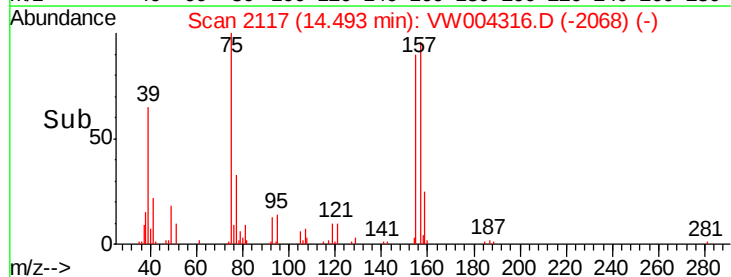
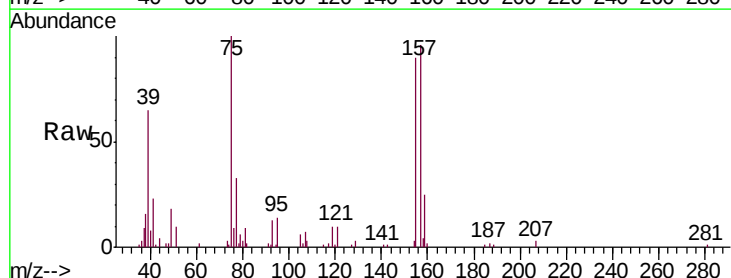
Manual Integrations
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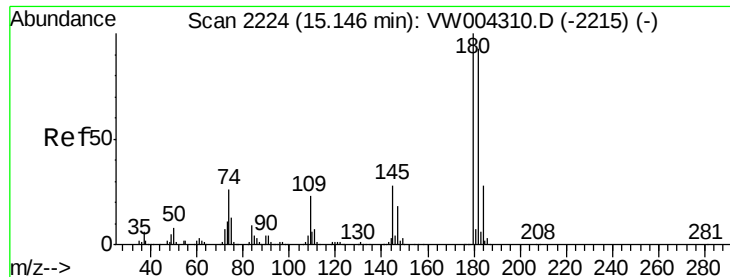
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.09 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	41.4	124.4
157	104.3	55.2	165.6





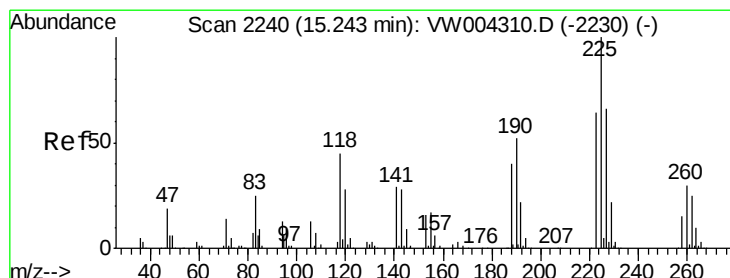
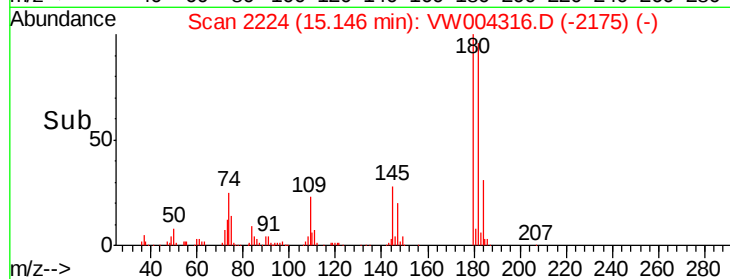
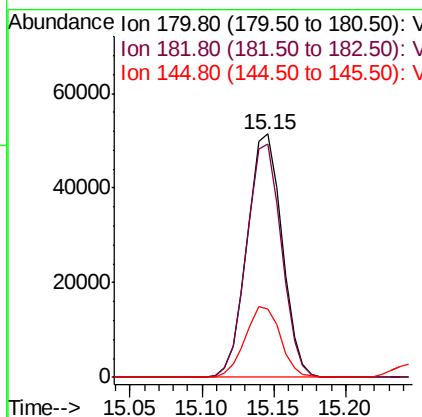
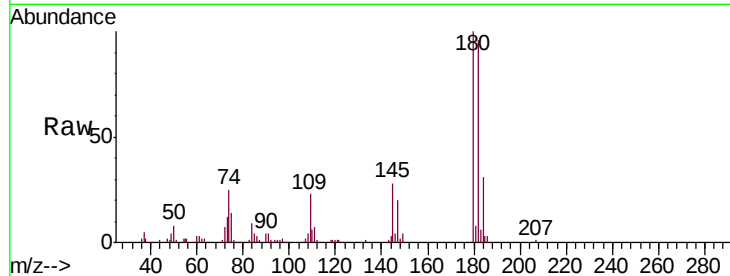
#93
 1,2,4-Trichlorobenzene
 Concen: 21.07 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0730SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86096		
182	95.9	47.3	141.8	
145	29.3	14.8	44.4	

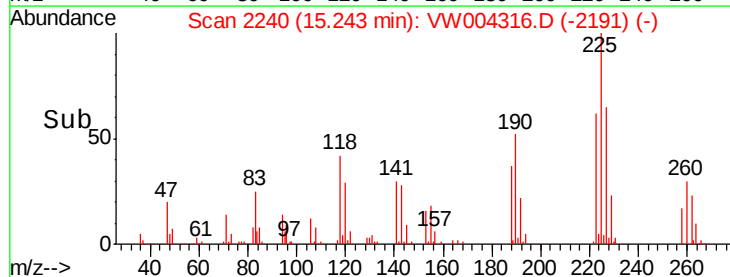
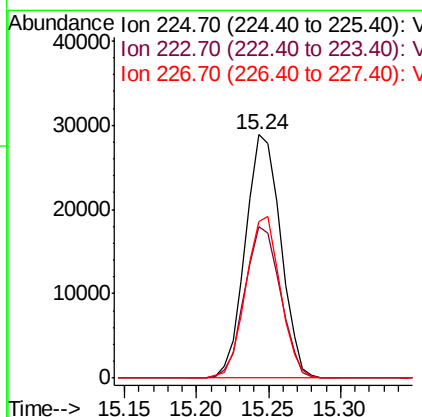
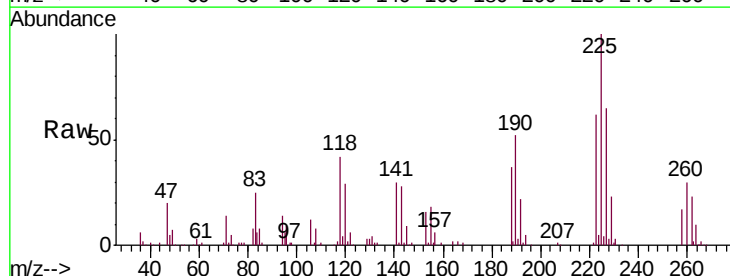
Manual Integrations
 APPROVED

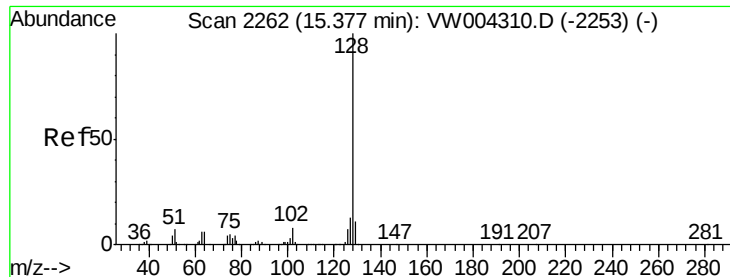
apatel
 7/30/2018 10:32:54 AM



#94
 Hexachlorobutadiene
 Concen: 19.61 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW004316.D
 Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48957		
223	63.1	31.0	93.0	
227	65.1	32.6	97.7	





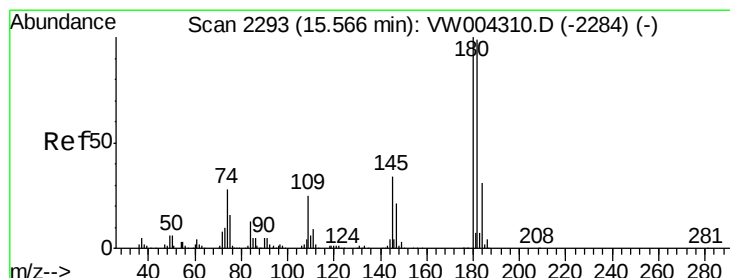
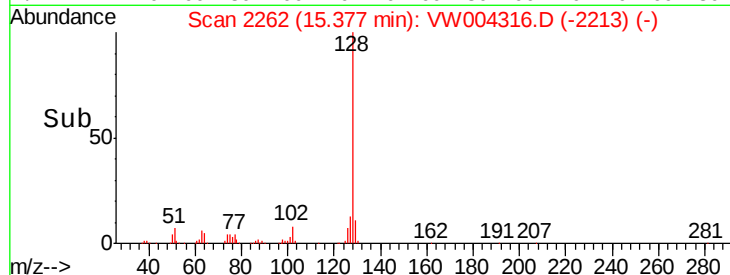
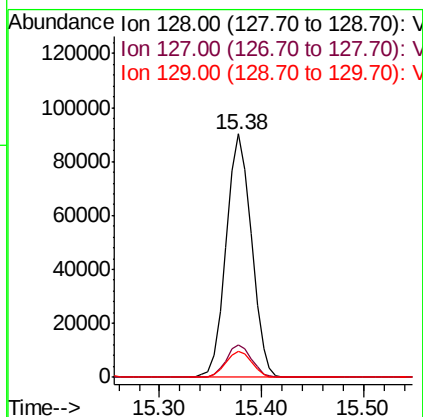
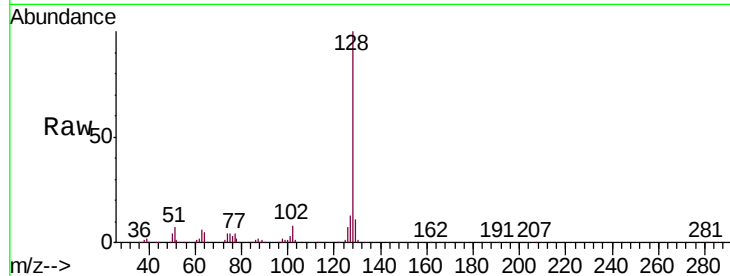
#95
Naphthalene
Concen: 22.05 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Instrument :
MSVOA_W
ClientSampleId :
VW0730SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
7/30/2018 10:32:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.72 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004316.D
Acq: 29 Jul 2018 16:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	30.9	16.2	48.5

