

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004307.D
 Acq On : 29 Jul 2018 11:46
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/30/2018 10:32:18 AM

Quant Time: Jul 30 01:37:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 01:27:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	279689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	139204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	9704	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
35) Dibromofluoromethane	7.89	113	9229	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	10.33	98	35277	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
62) 4-Bromofluorobenzene	12.62	95	12286	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	2653	3.98	ug/l	95
3) Chloromethane	2.21	50	6847	6.49	ug/l	91
4) Vinyl Chloride	2.36	62	11070	6.10	ug/l	99
5) Bromomethane	2.78	94	7856	6.55	ug/l	85
6) Chloroethane	2.92	64	7530	6.61	ug/l	96
7) Trichlorofluoromethane	3.25	101	7937	7.31	ug/l	94
8) Diethyl Ether	3.68	74	7670	8.06	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	13923	7.40	ug/l	99
10) Methyl Iodide	4.26	142	19388	6.88	ug/l	99
11) Tert butyl alcohol	5.18	59	6110	43.92	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	14067	7.48	ug/l	92
13) Acrolein	3.89	56	5116	41.49	ug/l	96
14) Allyl chloride	4.66	41	21715	7.18	ug/l	98
15) Acrylonitrile	5.37	53	15244	35.68	ug/l	98
16) Acetone	4.12	43	17180	39.54	ug/l	95
17) Carbon Disulfide	4.37	76	40202	6.91	ug/l	100
18) Methyl Acetate	4.67	43	9905	8.86	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	21631	6.46	ug/l	96
20) Methylene Chloride	4.91	84	16653	8.23	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	14340	7.15	ug/l	92
22) Diisopropyl ether	6.31	45	32477	5.71	ug/l #	87
23) Vinyl Acetate	6.26	43	89835	27.20	ug/l	100
24) 1,1-Dichloroethane	6.21	63	26163	7.14	ug/l	96
25) 2-Butanone	7.17	43	10723	20.36	ug/l	100
26) 2,2-Dichloropropane	7.17	77	11497	5.41	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	9744	4.77	ug/l	94
28) Bromochloromethane	7.51	49	6657	5.18	ug/l #	82
29) Tetrahydrofuran	7.53	42	6781	20.12	ug/l	91
30) Chloroform	7.68	83	17752	5.07	ug/l	89
31) Cyclohexane	7.96	56	16025	4.95	ug/l #	74
32) 1,1,1-Trichloroethane	7.87	97	15166	5.27	ug/l	99
36) 1,1-Dichloropropene	8.08	75	13427	4.80	ug/l	95
37) Ethyl Acetate	7.26	43	4953	4.32	ug/l	98
38) Carbon Tetrachloride	8.07	117	14509	5.25	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	16080	4.77	ug/l	88
40) Benzene	8.32	78	38722	4.92	ug/l	99
41) Methacrylonitrile	7.48	41	2305	3.48	ug/l #	74
42) 1,2-Dichloroethane	8.40	62	11965	5.32	ug/l	97
43) Isopropyl Acetate	8.43	43	8775	4.25	ug/l	94
44) Trichloroethene	9.10	130	11321	5.33	ug/l	85
45) 1,2-Dichloropropane	9.37	63	9317	4.77	ug/l	98
46) Dibromomethane	9.46	93	4932	4.95	ug/l	94
47) Bromodichloromethane	9.65	83	12954	5.12	ug/l #	98
48) Methyl methacrylate	9.44	41	4289	4.08	ug/l	87
49) 1,4-Dioxane	9.45	88	1340	88.63	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	22594	19.92	ug/l	97
52) Toluene	10.39	92	24808	5.02	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	12376	4.88	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	13644	4.62	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	7107	5.00	ug/l #	92
56) Ethyl methacrylate	10.65	69	7003	4.07	ug/l	98
57) 1,3-Dichloropropane	10.94	76	11919	4.92	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	15157	19.84	ug/l	94
59) 2-Hexanone	10.98	43	15775	20.26	ug/l	98
60) Dibromochloromethane	11.13	129	8433	4.96	ug/l	100
61) 1,2-Dibromoethane	11.24	107	7032	5.19	ug/l	94
64) Tetrachloroethene	10.87	164	10572	5.75	ug/l	94
65) Chlorobenzene	11.66	112	27255	5.17	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	9603	5.17	ug/l	99
67) Ethyl Benzene	11.74	91	45517	4.96	ug/l	100
68) m/p-Xylenes	11.85	106	33890	9.59	ug/l	95
69) o-Xylene	12.17	106	16077	4.92	ug/l	97
70) Styrene	12.19	104	27025	4.90	ug/l	96
71) Bromoform	12.36	173	5495	5.28	ug/l #	98
73) Isopropylbenzene	12.47	105	45367	4.70	ug/l	99
74) N-amyl acetate	12.28	43	8259	3.95	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	7818	4.62	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	6567m	3.10	ug/l	
77) Bromobenzene	12.76	156	12009	5.15	ug/l	92
78) n-propylbenzene	12.81	91	55260	4.70	ug/l	98
79) 2-Chlorotoluene	12.90	91	33459	4.97	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	40033	4.81	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	2374	4.35	ug/l	99
82) 4-Chlorotoluene	12.99	91	34513	4.85	ug/l	99
83) tert-Butylbenzene	13.21	119	32850	4.74	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	40897	4.82	ug/l	98
85) sec-Butylbenzene	13.40	105	46906	4.64	ug/l	95
86) p-Isopropyltoluene	13.51	119	42970	4.73	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	24723	5.30	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	24633	5.29	ug/l	95
89) n-Butylbenzene	13.83	91	40299	4.75	ug/l	97
90) Hexachloroethane	14.10	117	7954	4.91	ug/l	91
91) 1,2-Dichlorobenzene	13.88	146	22138	5.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1449	4.91	ug/l	99

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MSVOA_W
ClientSampleId :
VSTDICC005

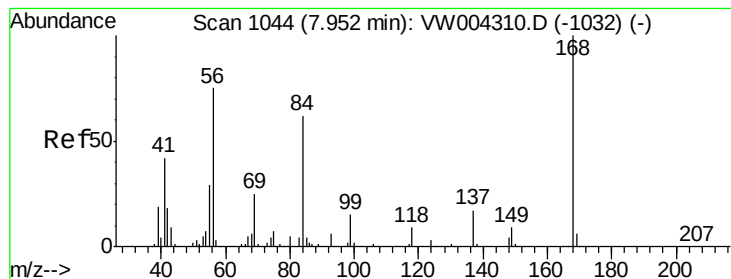
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	14809	5.05	ug/l	97
94) Hexachlorobutadiene	15.25	225	9538	5.32	ug/l	98
95) Naphthalene	15.38	128	22899	4.54	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	13058	5.09	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: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 187976

Ion Ratio Lower Upper

168 100

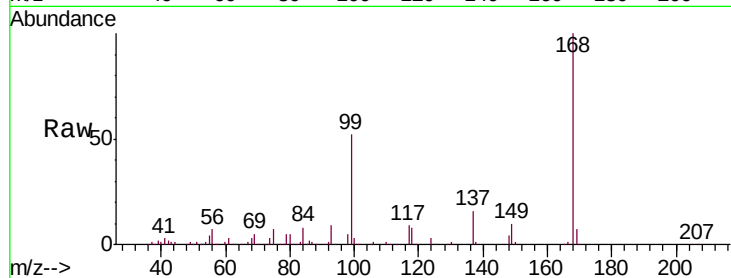
99 52.0 45.0 67.4

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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

80000

60000

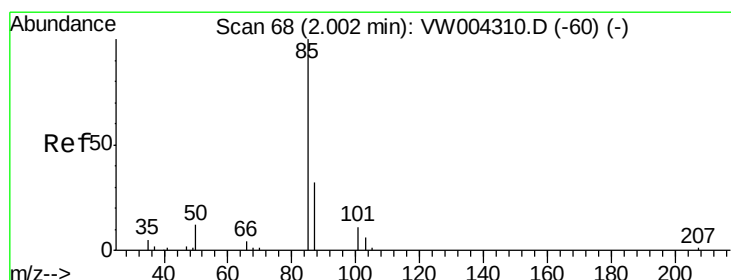
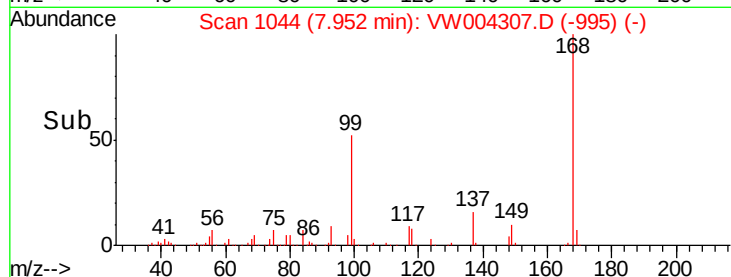
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.98 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004307.D

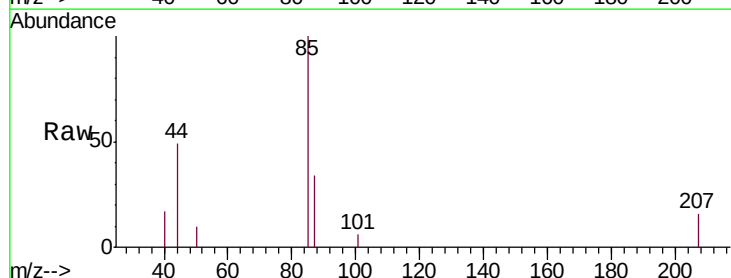
Acq: 29 Jul 2018 11:46

Tgt Ion: 85 Resp: 2653

Ion Ratio Lower Upper

85 100

87 34.3 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

1200

1000

800

600

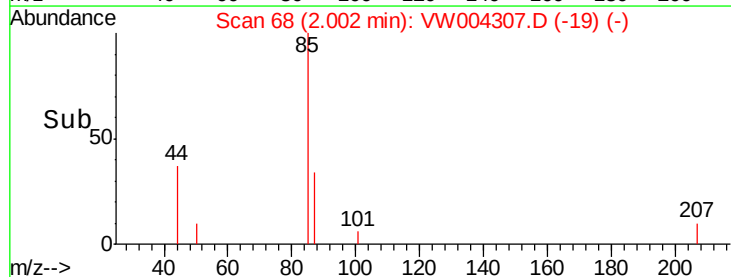
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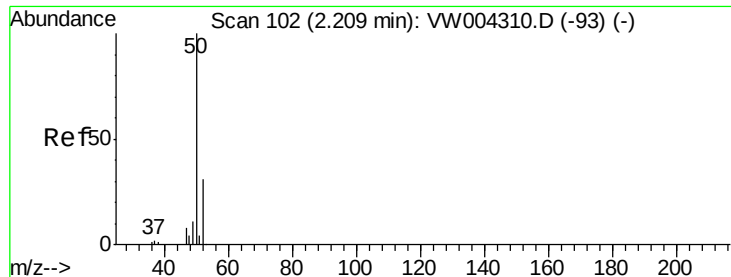
200

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 6.49 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 6847

Ion Ratio Lower Upper

50 100

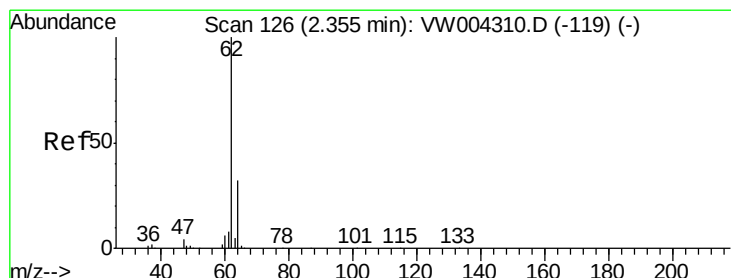
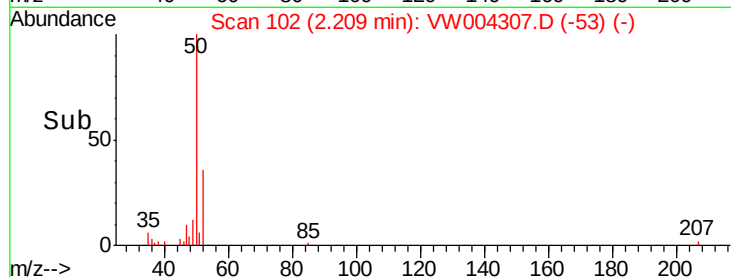
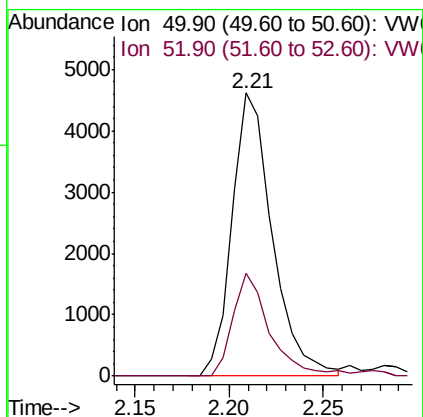
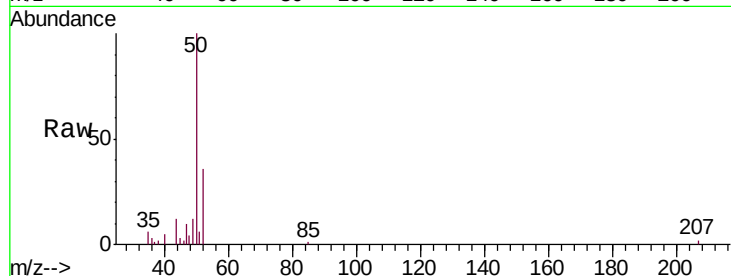
52 36.2 24.8 37.2

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#4

Vinyl Chloride

Concen: 6.10 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004307.D

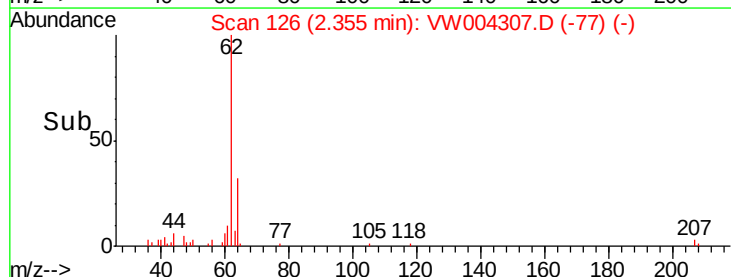
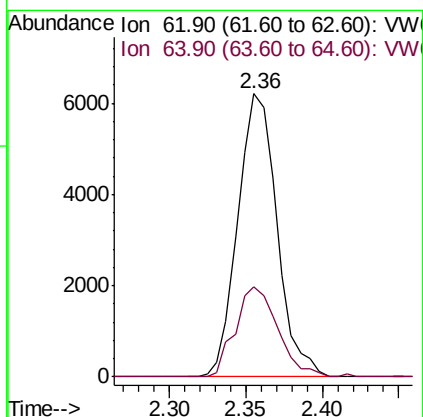
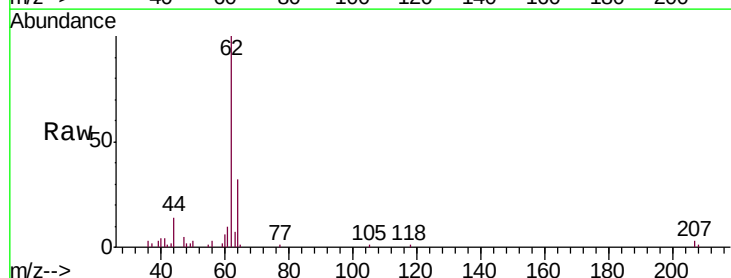
Acq: 29 Jul 2018 11:46

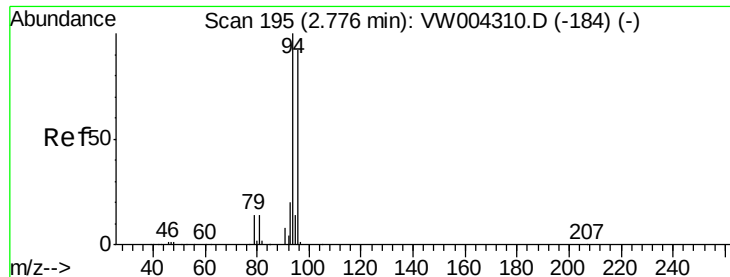
Tgt Ion: 62 Resp: 11070

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 6.55 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7856

Ion Ratio Lower Upper

94 100

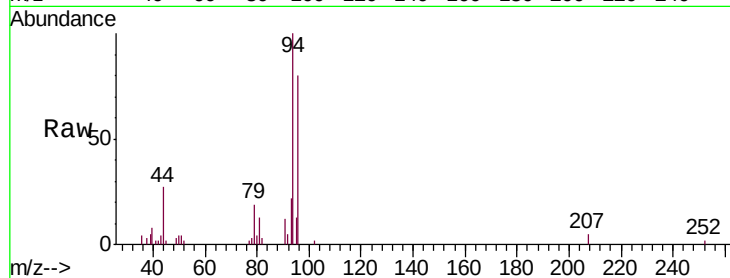
96 77.8 73.3 109.9

Manual Integrations

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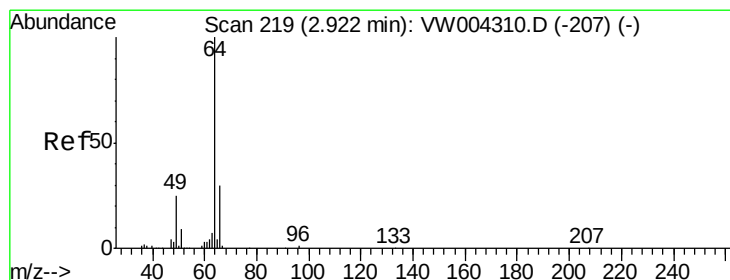
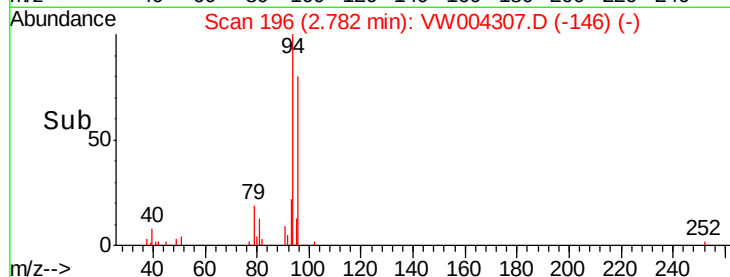
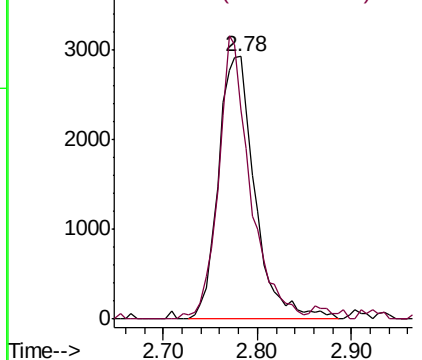
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 6.61 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW004307.D

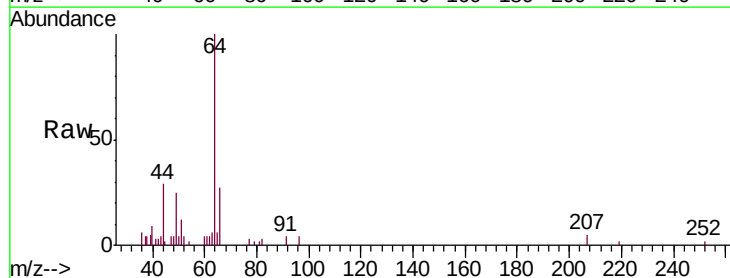
Acq: 29 Jul 2018 11:46

Tgt Ion: 64 Resp: 7530

Ion Ratio Lower Upper

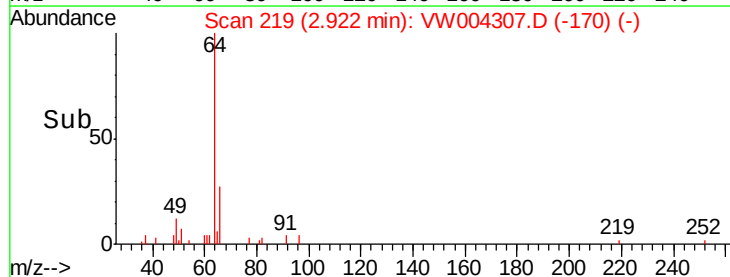
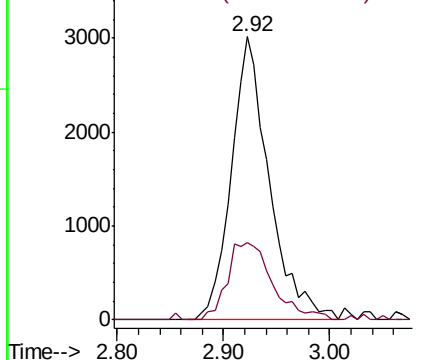
64 100

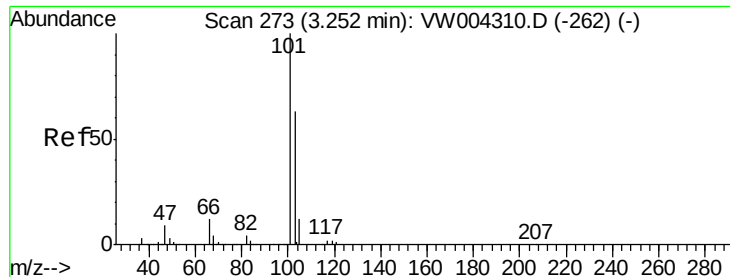
66 27.5 23.7 35.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

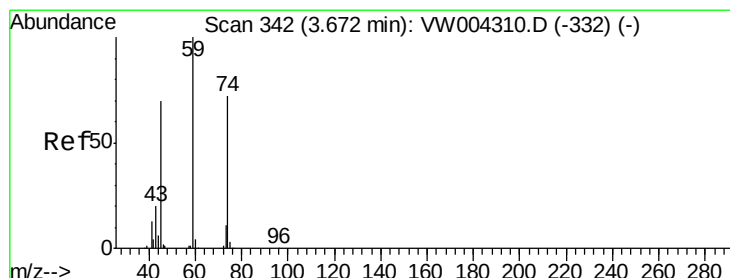
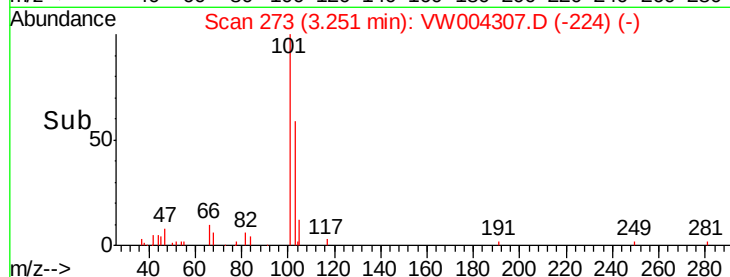
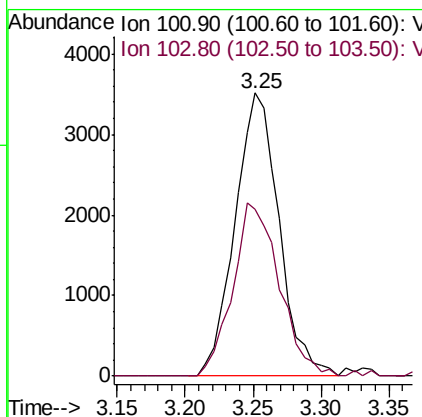
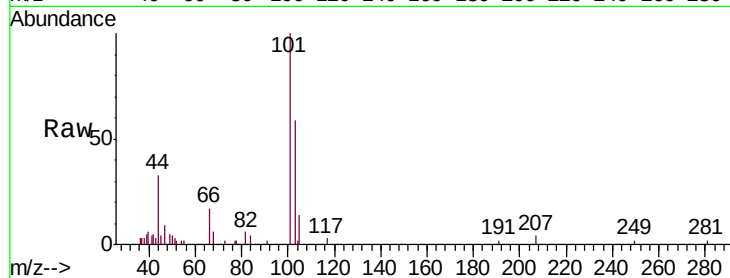
Trichlorofluoromethane
Concen: 7.31 ug/l
RT: 3.25 min Scan# 273
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.0	50.8	76.2

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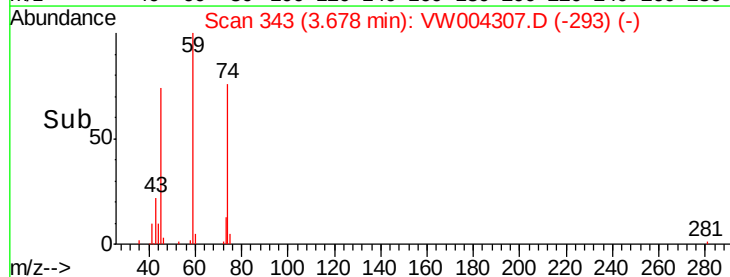
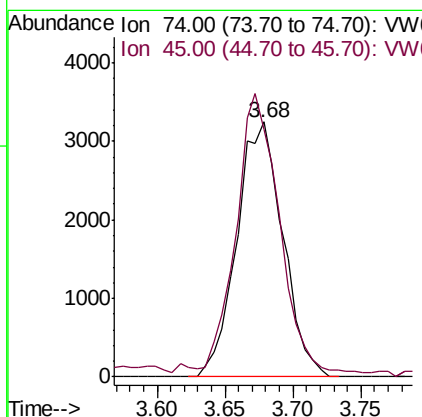
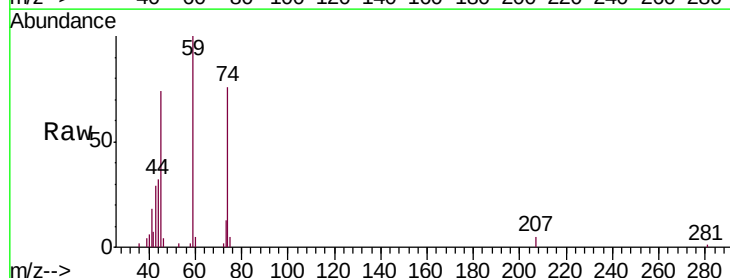
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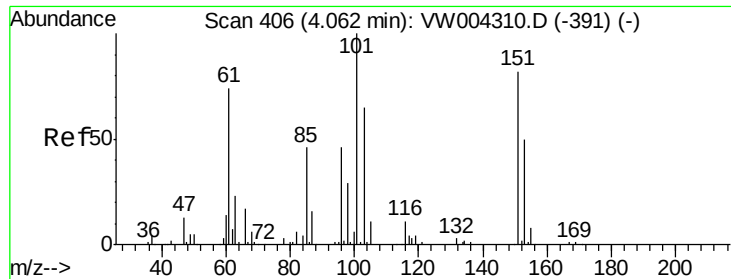


#8

Diethyl Ether
Concen: 8.06 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.40 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

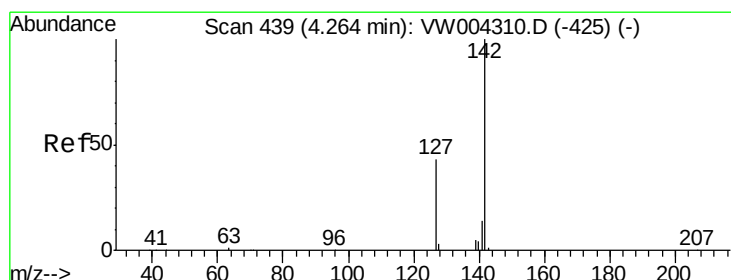
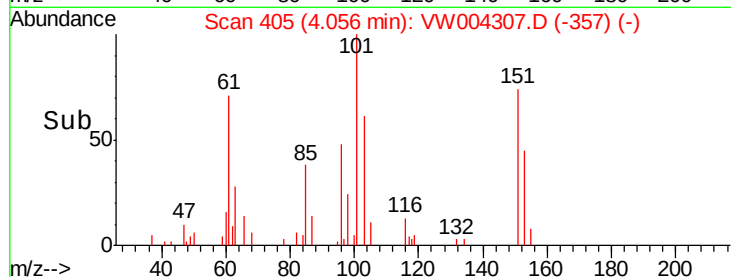
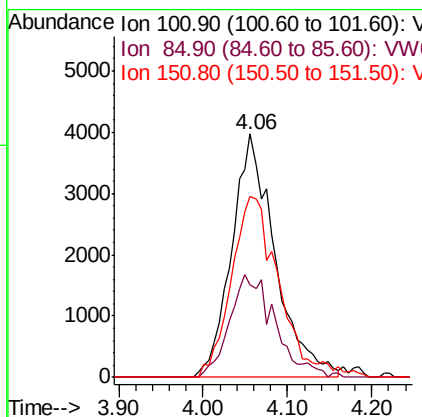
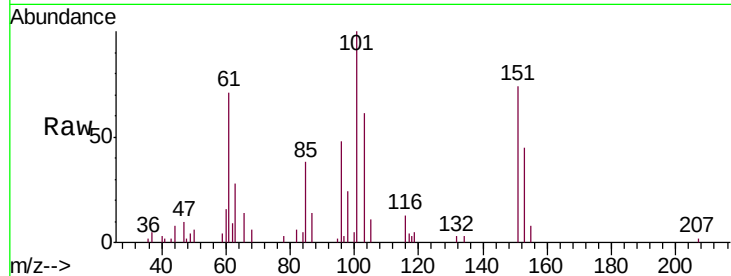
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13923
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.5	53.3
151	82.0	64.6	97.0

Manual Integrations
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#10

Methyl Iodide

Concen: 6.88 ug/l

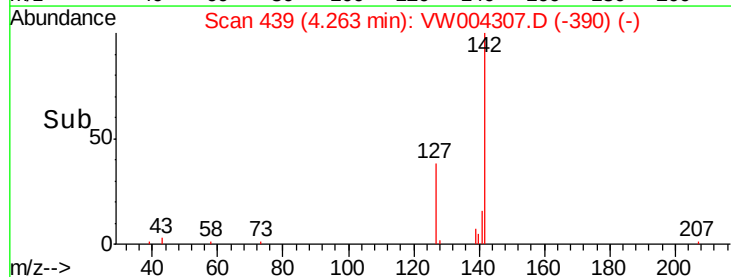
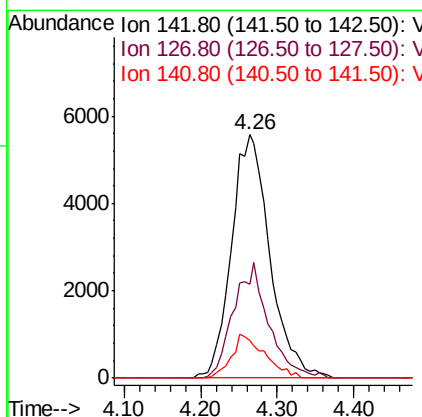
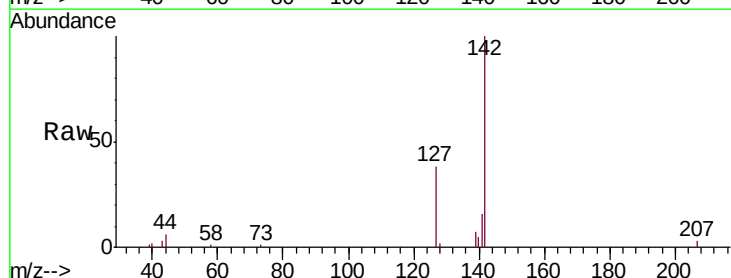
RT: 4.26 min Scan# 439

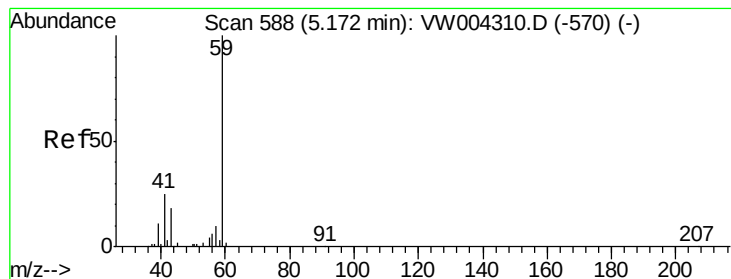
Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	142	Resp:	19388
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.6	52.0
141	15.5	11.5	17.3





#11

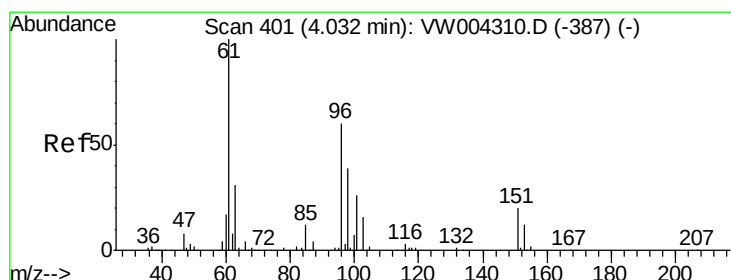
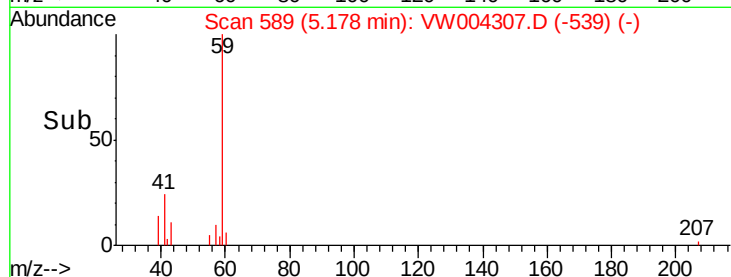
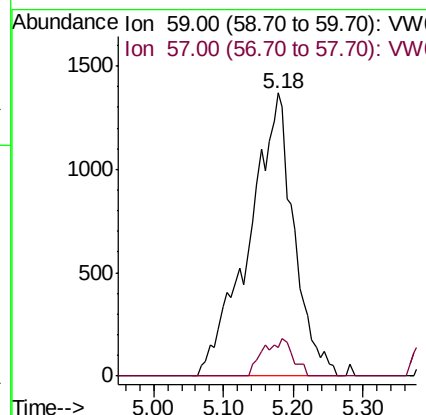
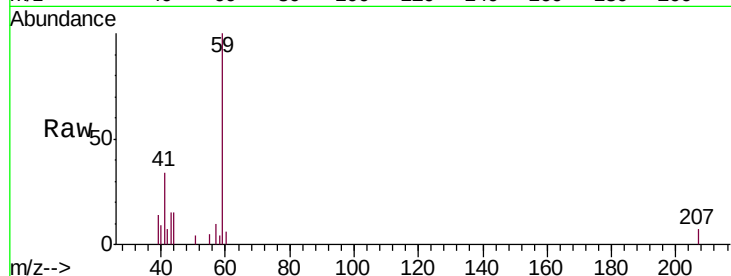
Tert butyl alcohol
 Concen: 43.92 ug/l
 RT: 5.18 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.2	8.4	12.6#

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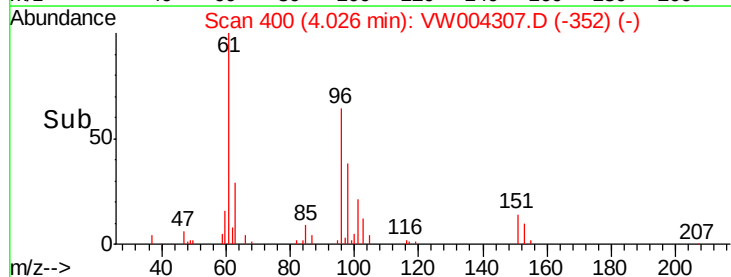
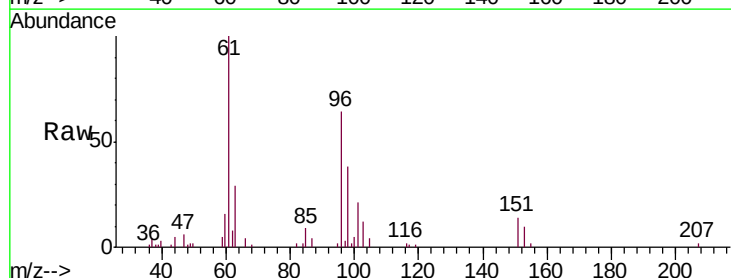
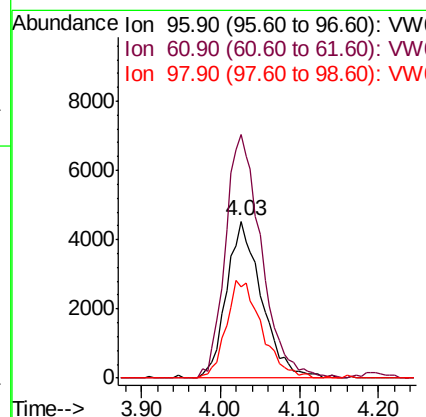
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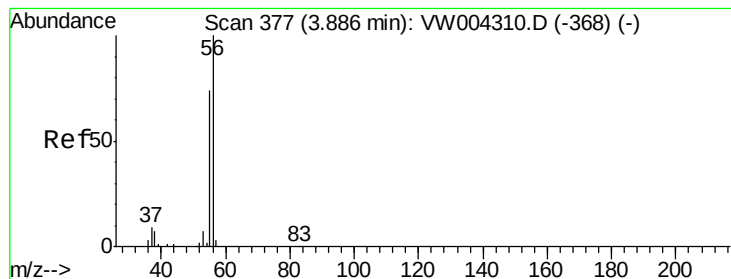


#12

1,1-Dichloroethene
 Concen: 7.48 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	133.4	200.0
98	58.6	51.9	77.9





#13

Acrolein

Concen: 41.49 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5116

Ion Ratio Lower Upper

56 100

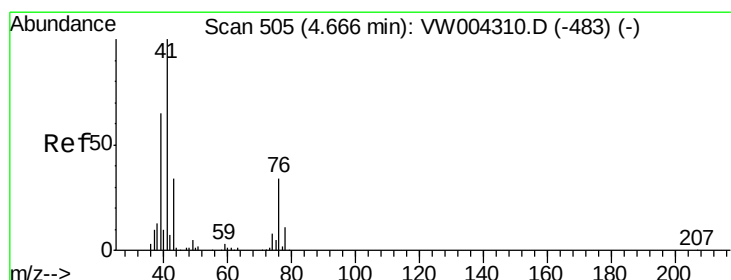
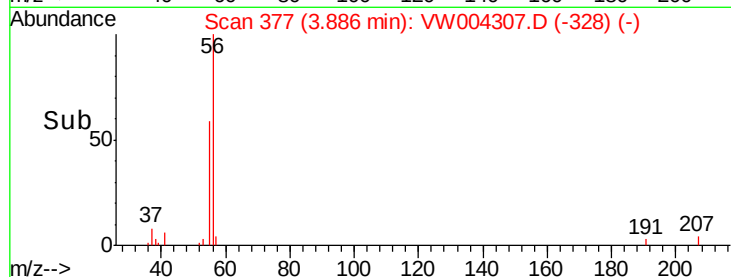
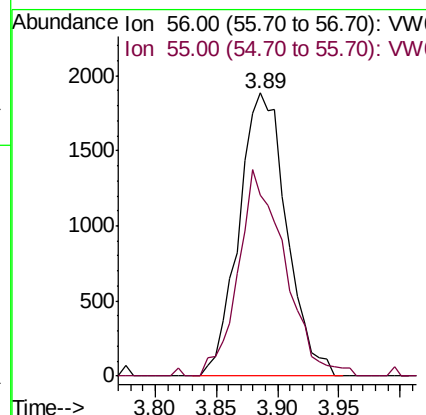
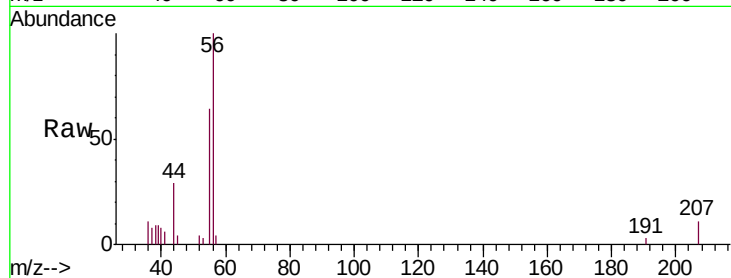
55 71.2 59.4 89.2

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#14

Allyl chloride

Concen: 7.18 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

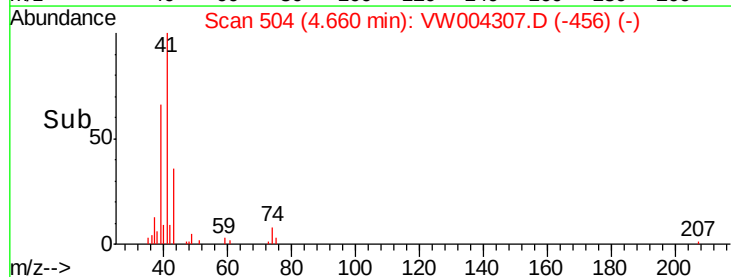
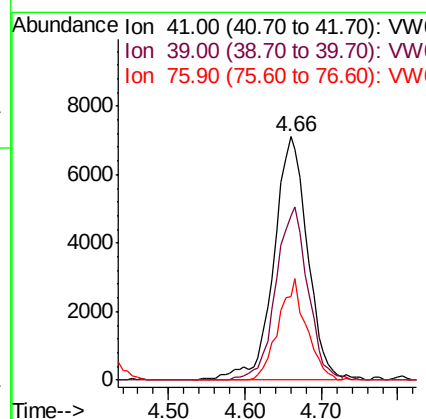
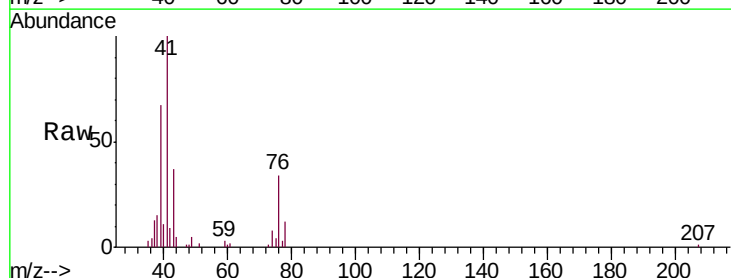
Tgt Ion: 41 Resp: 21715

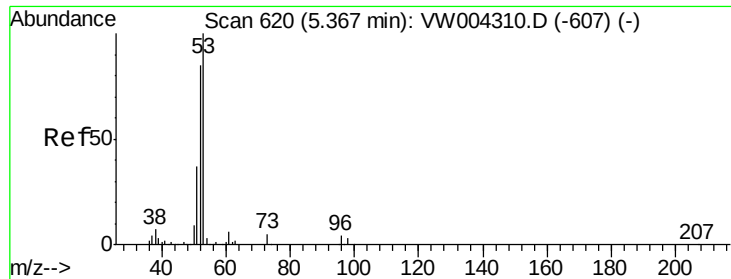
Ion Ratio Lower Upper

41 100

39 67.8 52.3 78.5

76 34.7 27.3 40.9





#15

Acrylonitrile

Concen: 35.68 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

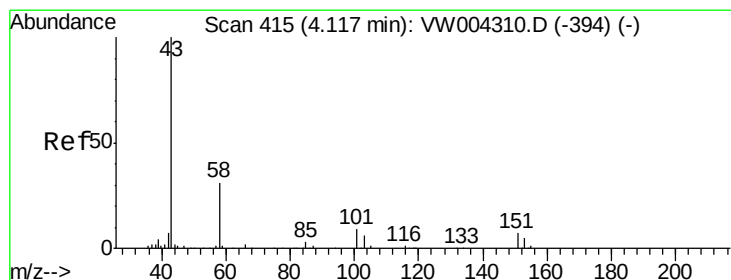
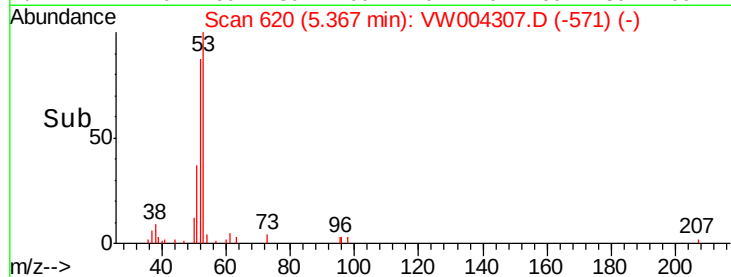
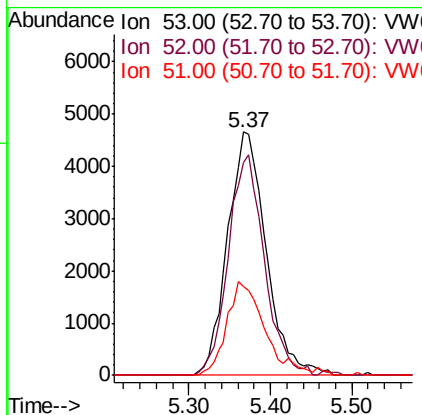
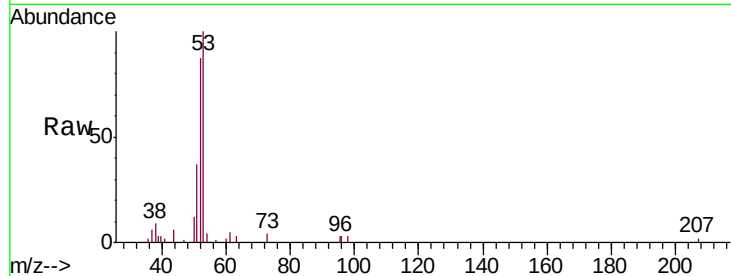
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	15244
Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.7	98.5
51	37.5	29.2	43.8

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#16

Acetone

Concen: 39.54 ug/l

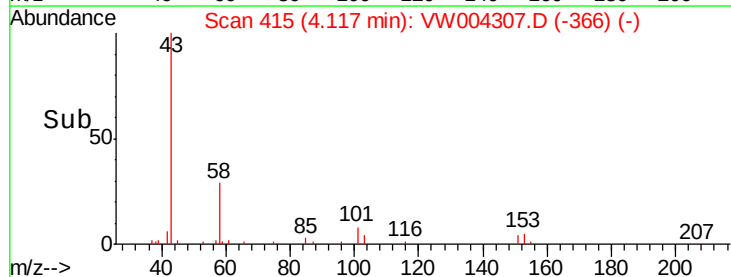
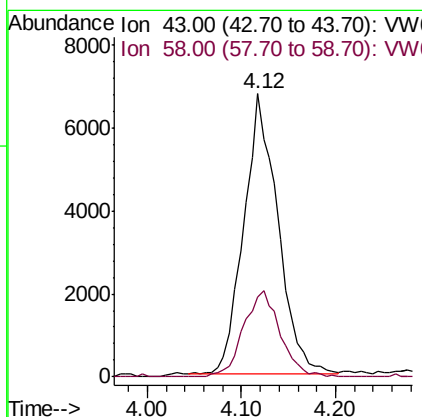
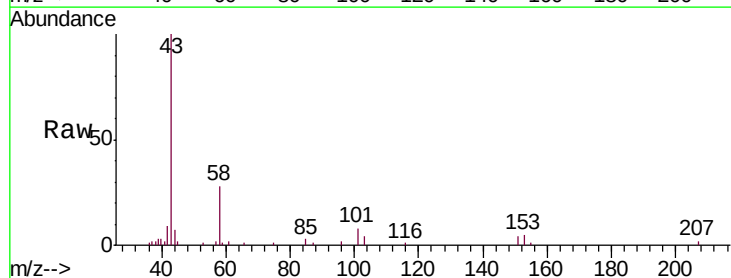
RT: 4.12 min Scan# 415

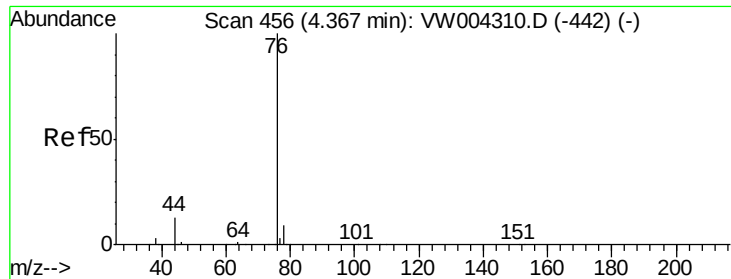
Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	43	Resp:	17180
Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.8	37.2





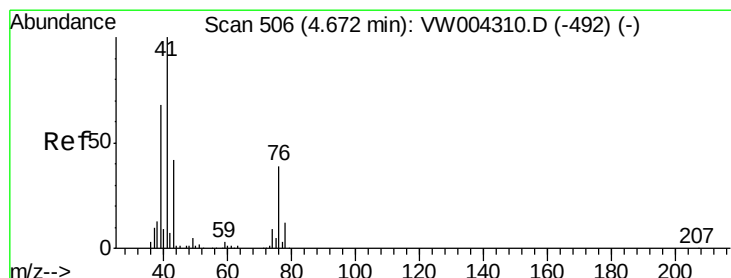
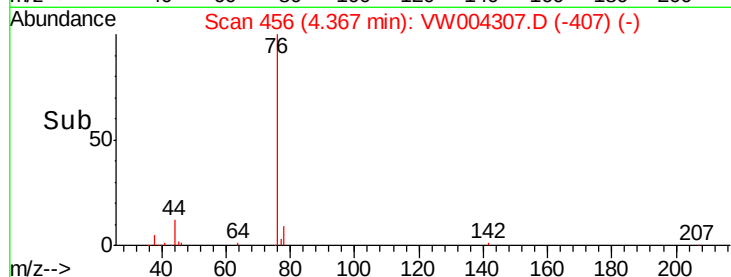
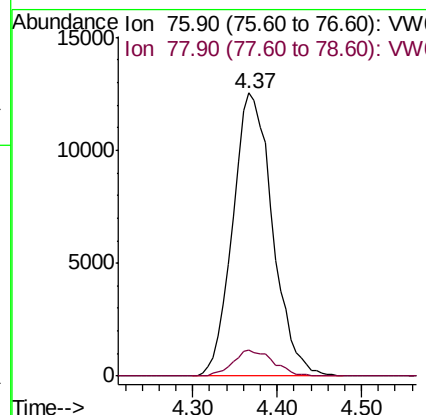
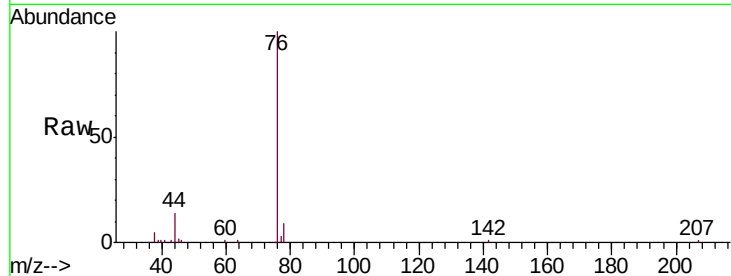
#17
Carbon Disulfide
Concen: 6.91 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

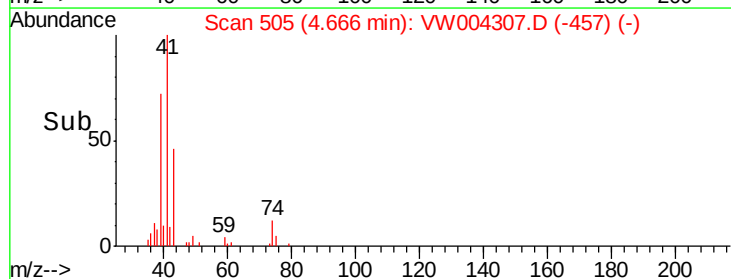
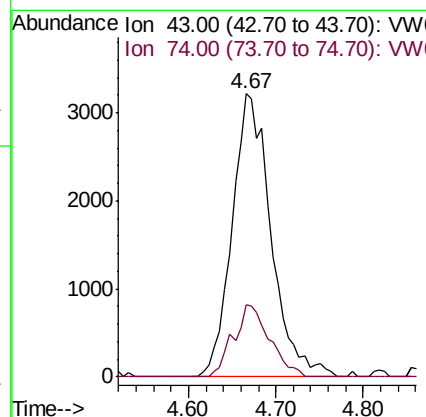
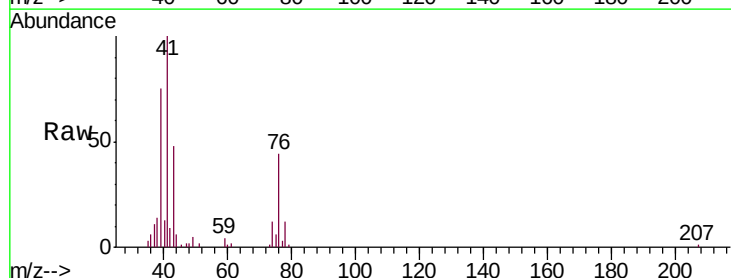
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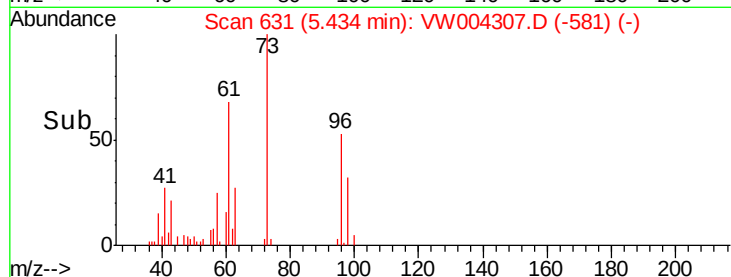
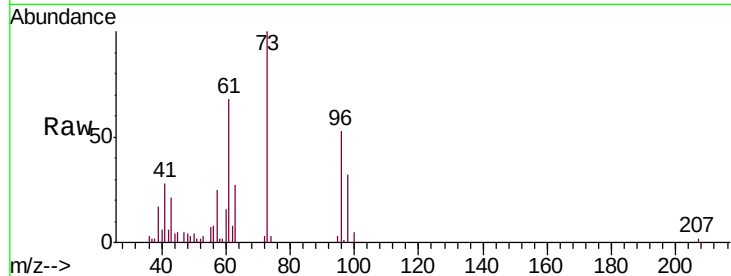
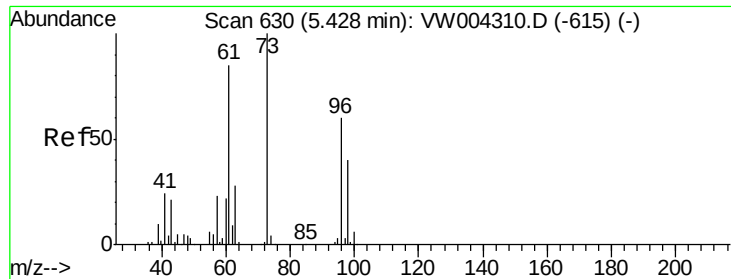
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#18
Methyl Acetate
Concen: 8.86 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.8	26.6





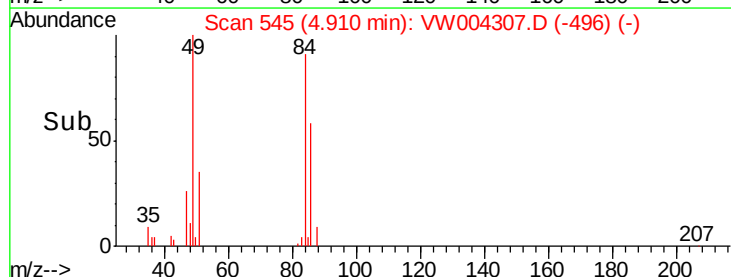
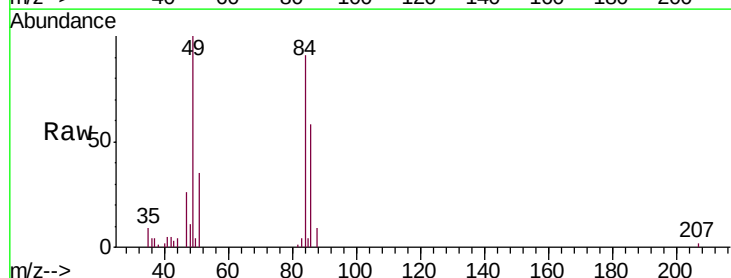
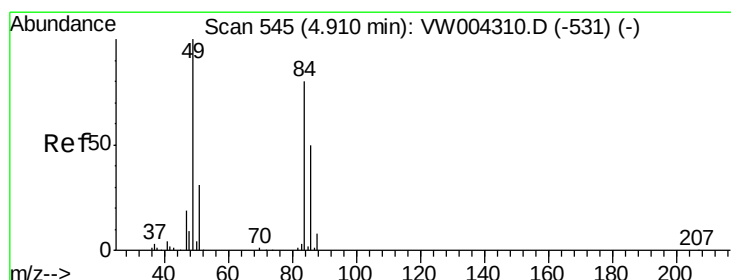
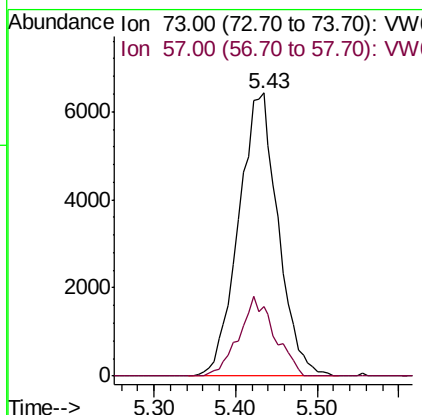
#19
Methyl tert-butyl Ether
Concen: 6.46 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tot Ion: 73 Resp: 21631
Ion Ratio Lower Upper
73 100
57 24.8 18.4 27.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

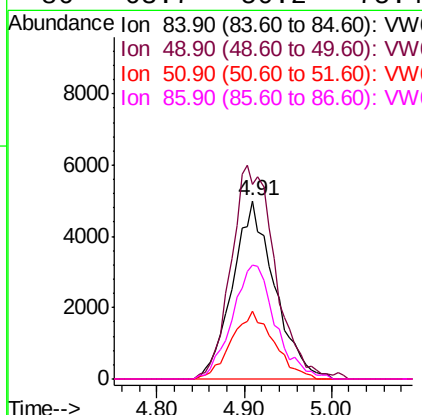
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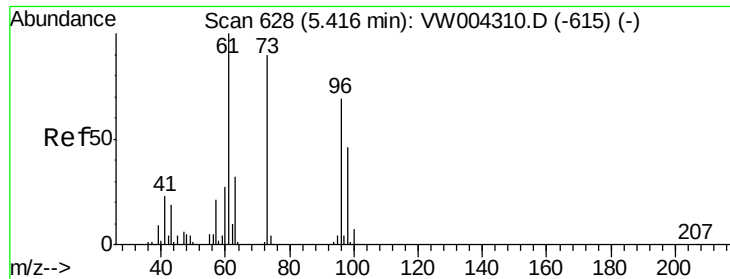
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#20
Methylene Chloride
Concen: 8.23 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion: 84 Resp: 16653
Ion Ratio Lower Upper
84 100
49 109.3 100.5 150.7
51 38.0 30.9 46.3
86 63.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 7.15 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

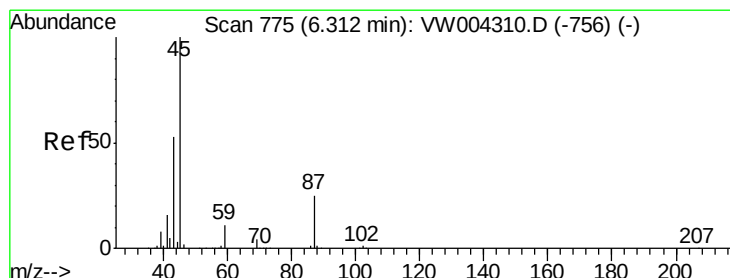
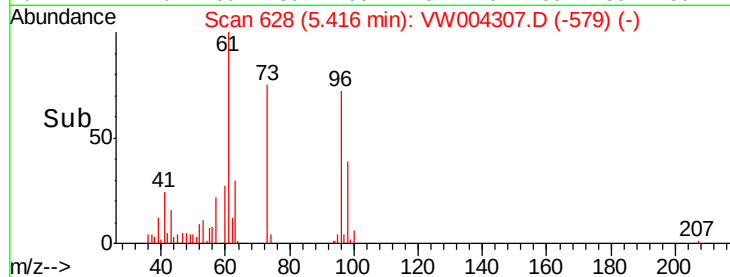
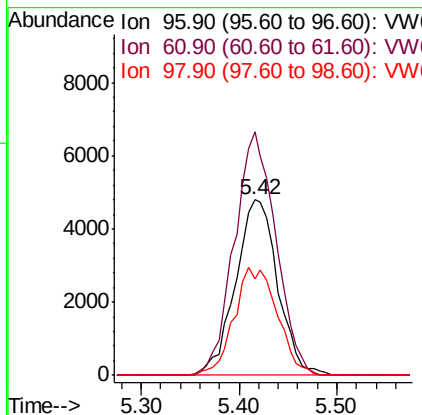
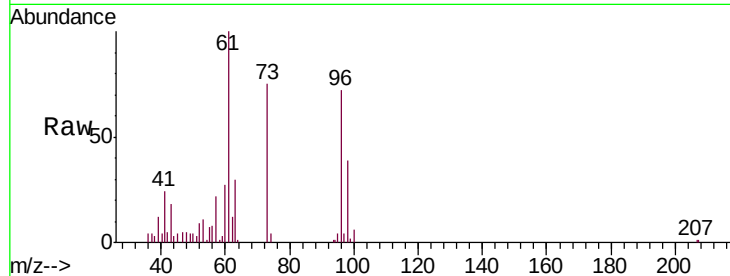
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	14340
Ion	Ratio	Lower	Upper
96	100		
61	138.8	116.2	174.2
98	54.7	52.9	79.3

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#22

Diisopropyl ether

Concen: 5.71 ug/l

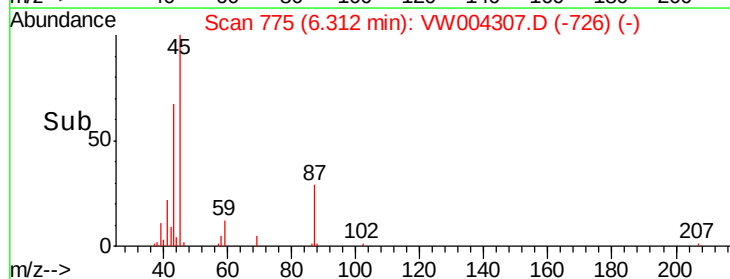
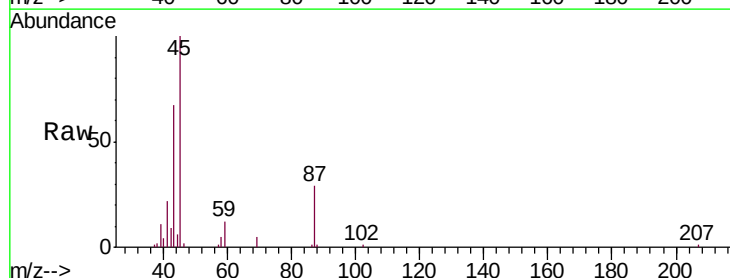
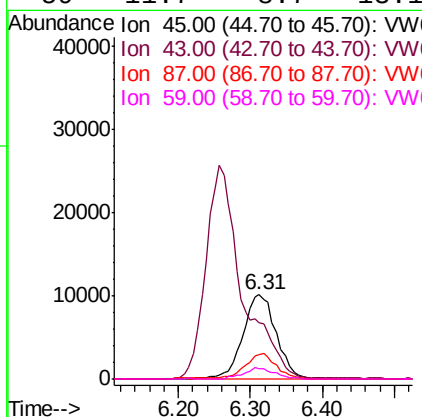
RT: 6.31 min Scan# 775

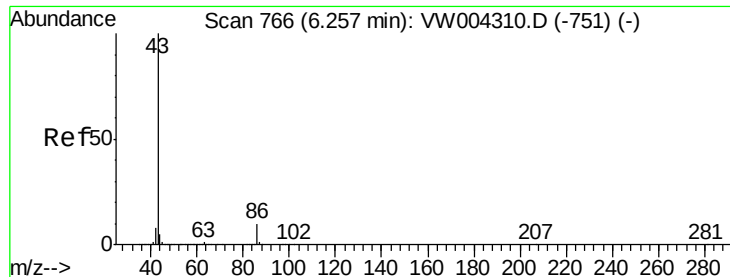
Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	45	Resp:	32477
Ion	Ratio	Lower	Upper
45	100		
43	65.4	42.3	63.5#
87	28.7	19.9	29.9
59	11.7	8.7	13.1





#23

Vinyl Acetate

Concen: 27.20 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 89835

Ion Ratio Lower Upper

43 100

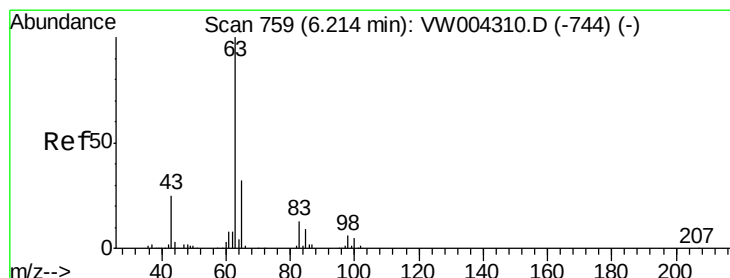
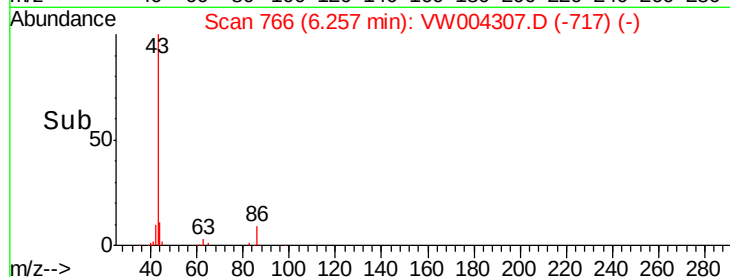
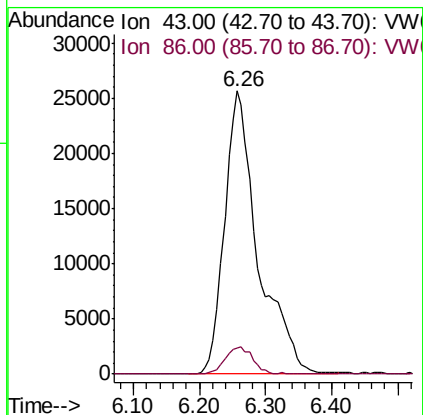
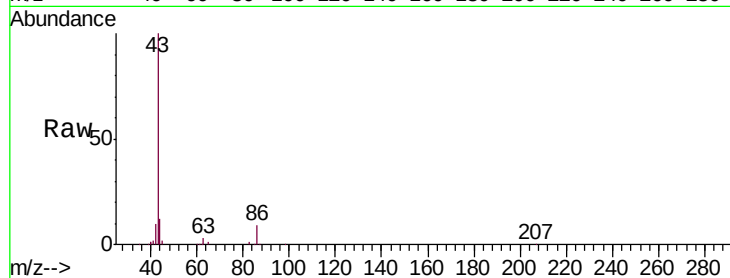
86 9.4 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 7.14 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

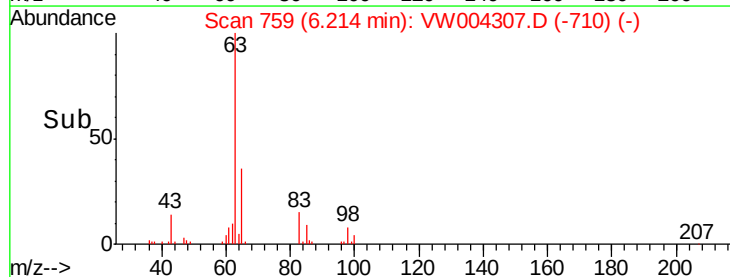
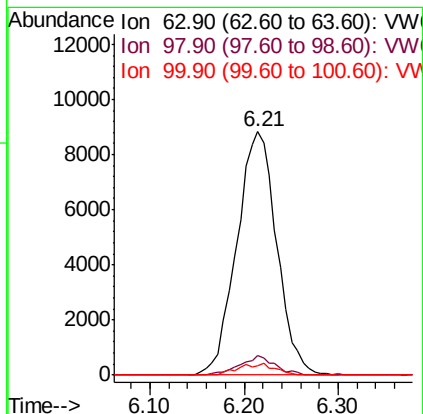
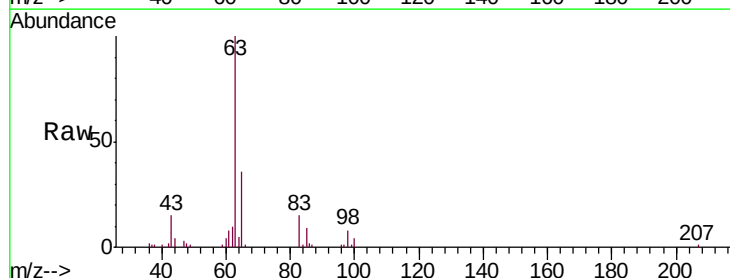
Tgt Ion: 63 Resp: 26163

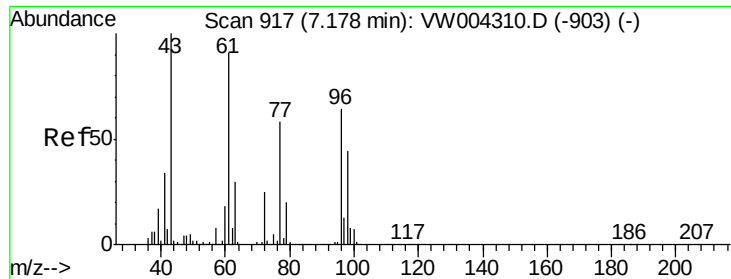
Ion Ratio Lower Upper

63 100

98 8.1 3.2 9.6

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 20.36 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 10723

Ion Ratio Lower Upper

43 100

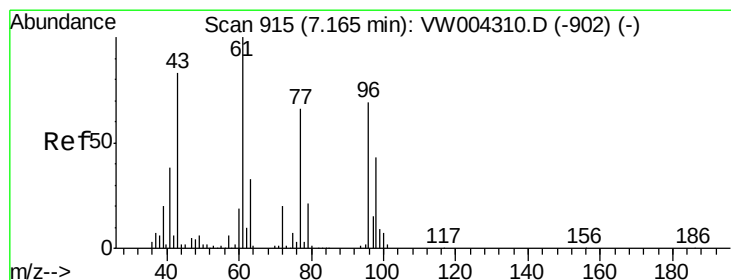
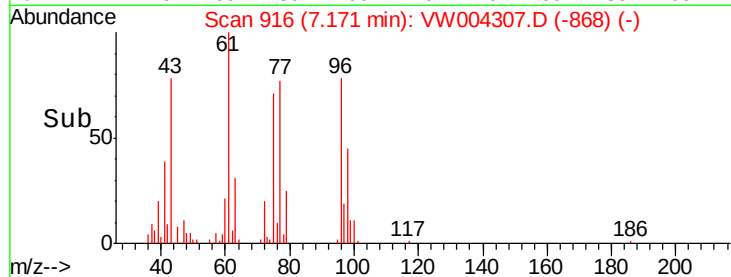
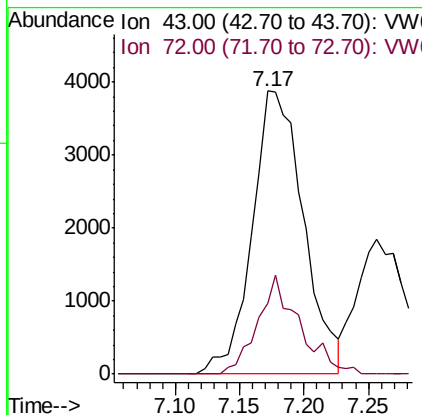
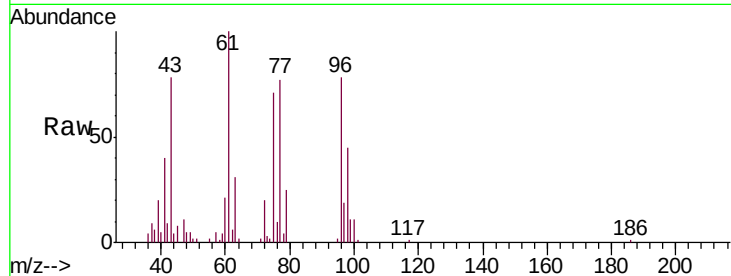
72 25.2 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 5.41 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004307.D

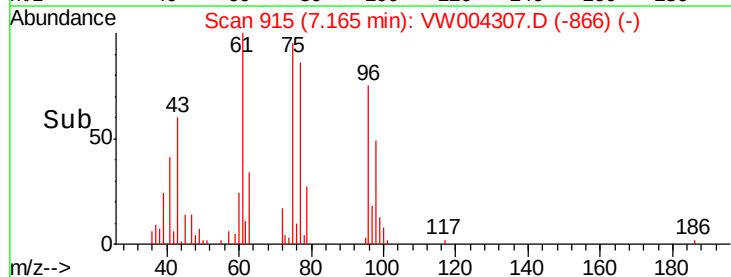
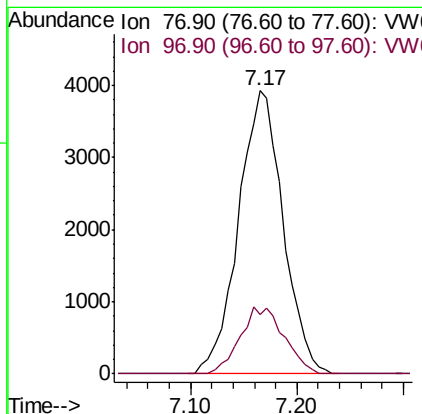
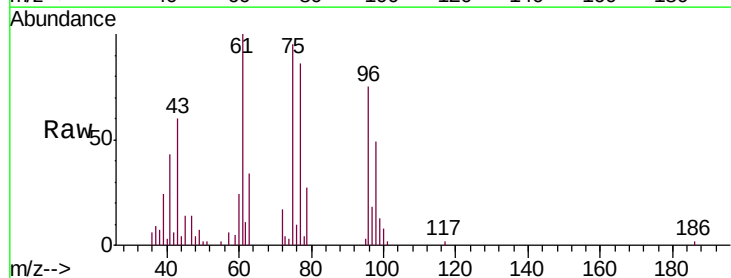
Acq: 29 Jul 2018 11:46

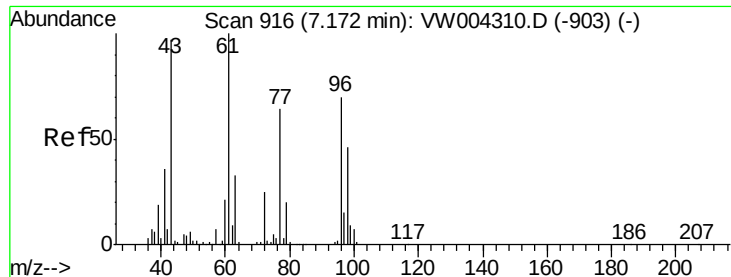
Tgt Ion: 77 Resp: 11497

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

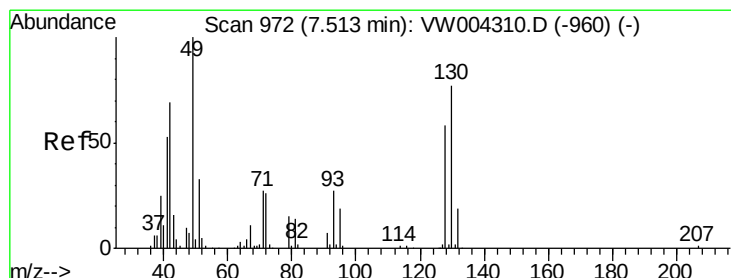
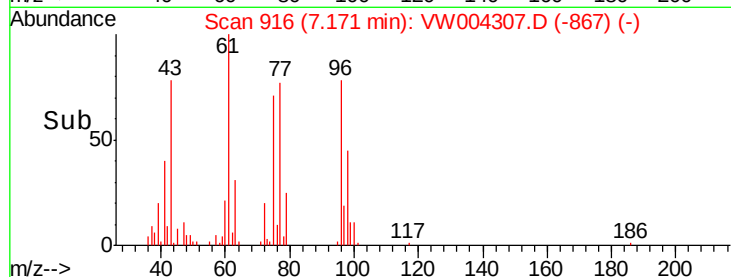
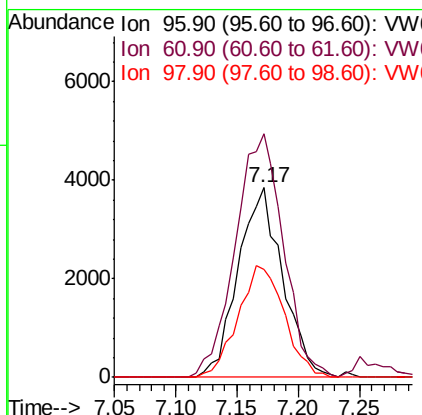
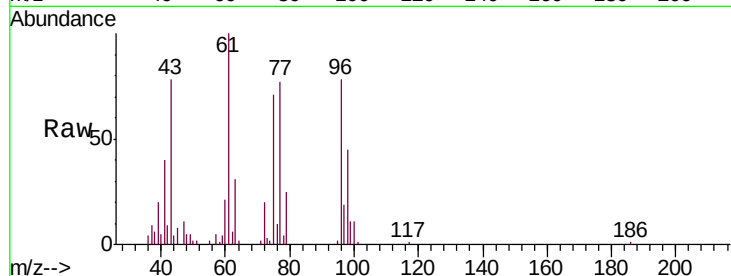
cis-1,2-Dichloroethene
Concen: 4.77 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	292.0
98	61.1	0.0	129.6

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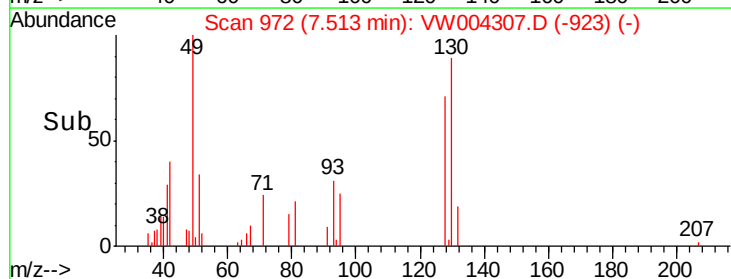
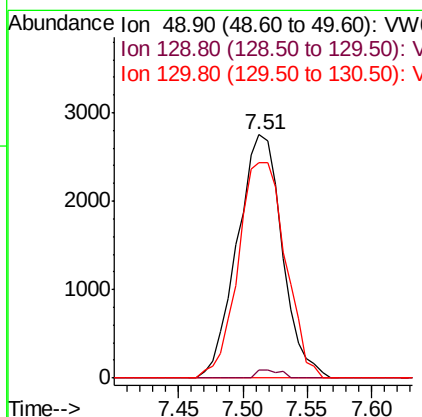
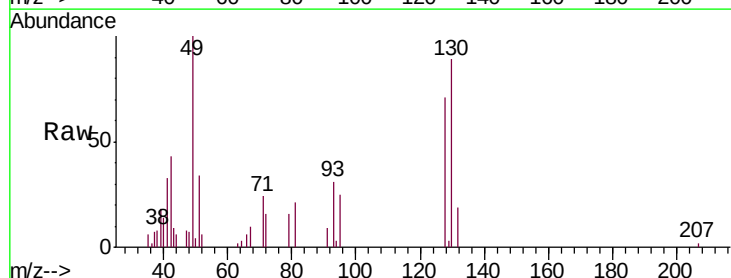
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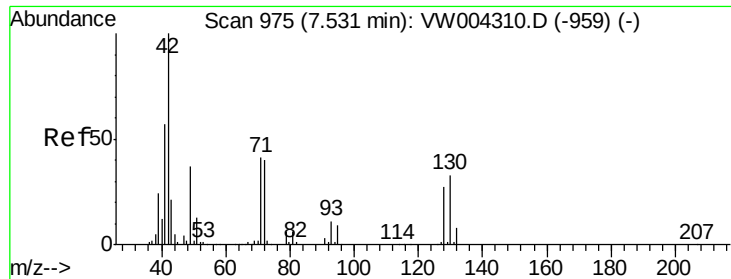


#28

Bromochloromethane
Concen: 5.18 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	93.3	61.5	92.3#





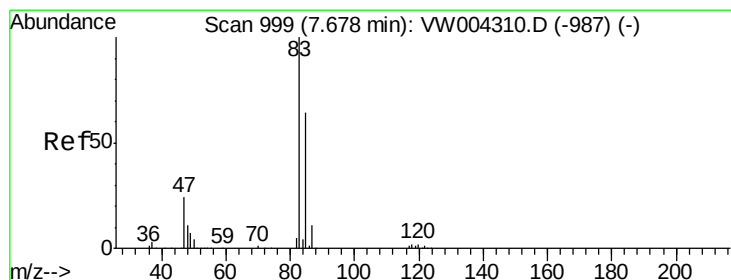
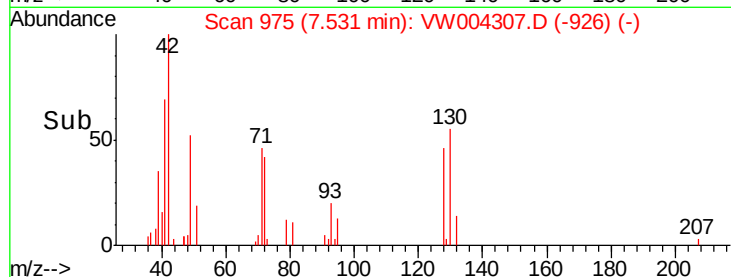
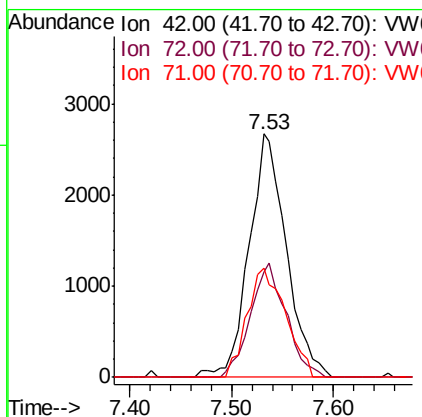
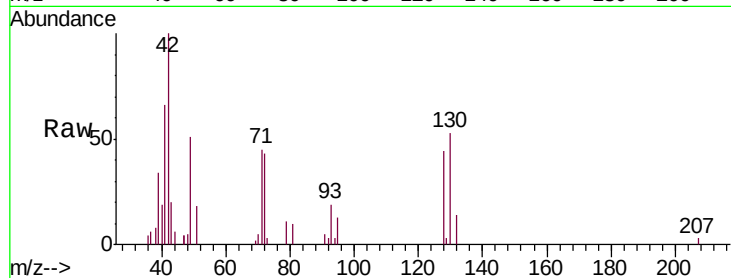
#29
Tetrahydrofuran
Concen: 20.12 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	32.6	48.8
71	46.0	31.3	46.9

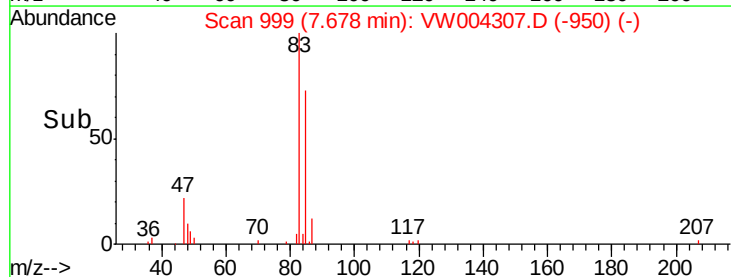
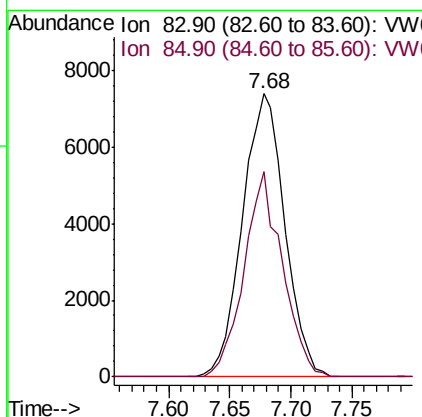
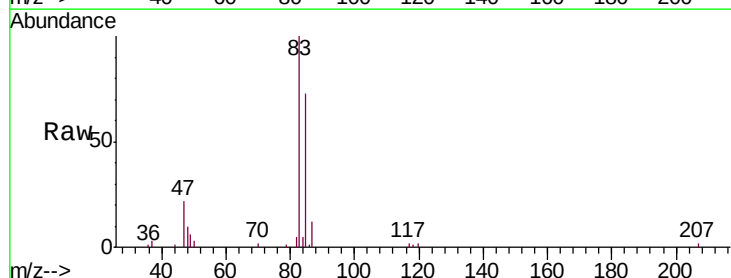
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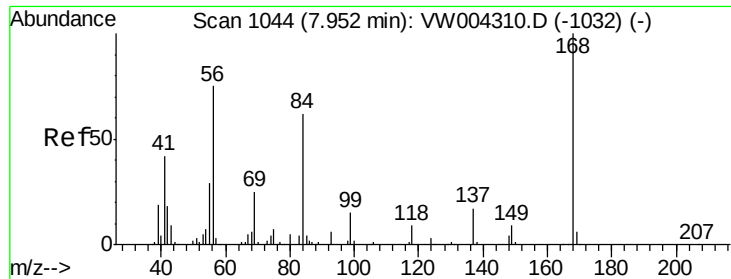
apatel
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#30
Chloroform
Concen: 5.07 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.6	51.5	77.3





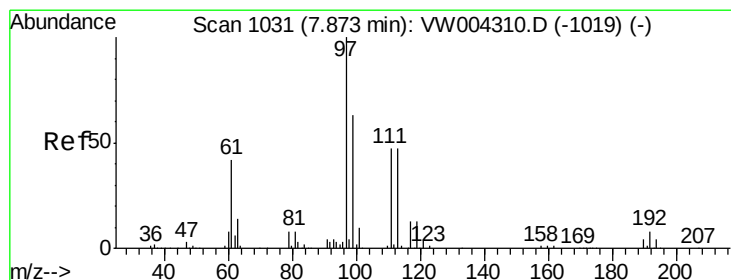
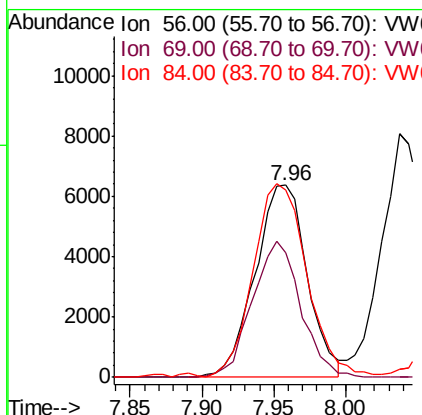
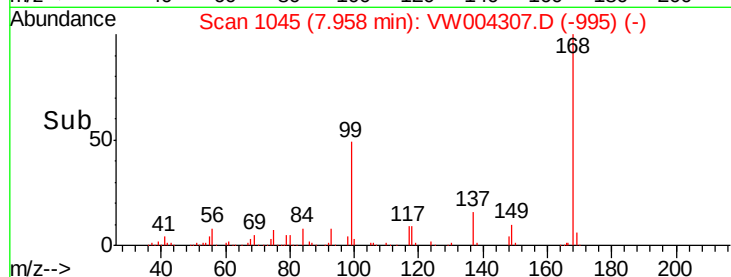
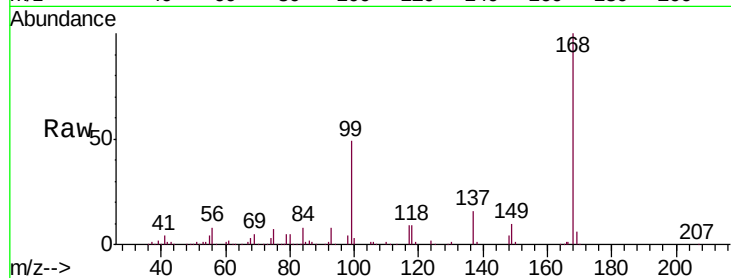
#31
Cyclohexane
Concen: 4.95 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	64.6	26.3	39.5#
84	95.8	66.2	99.4

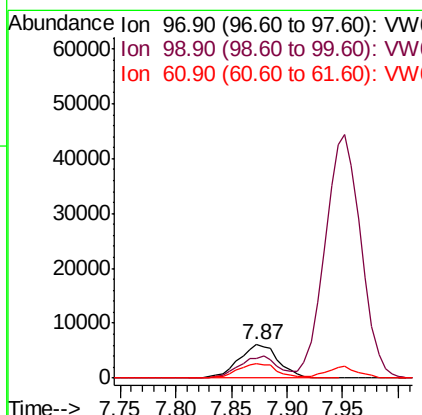
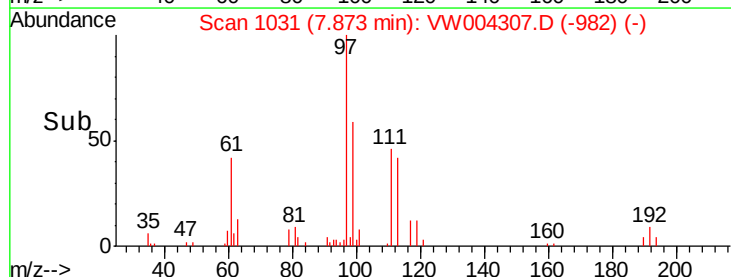
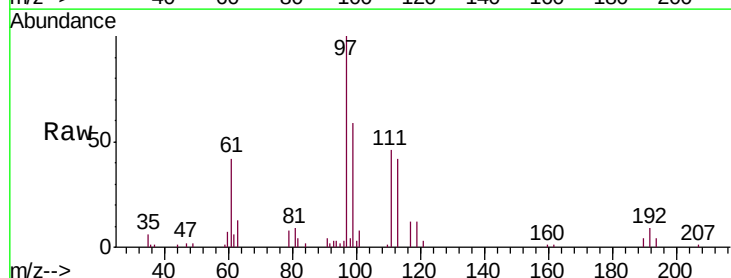
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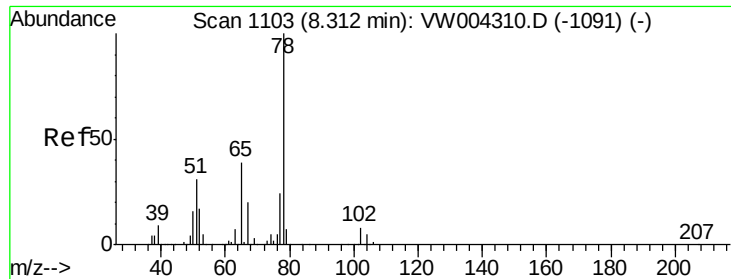
apatel
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#32
1,1,1-Trichloroethane
Concen: 5.27 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.7	77.5
61	43.7	34.8	52.2





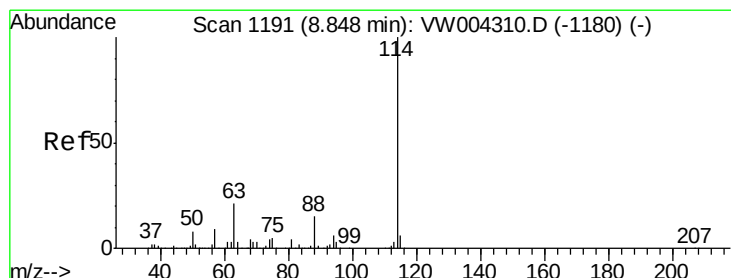
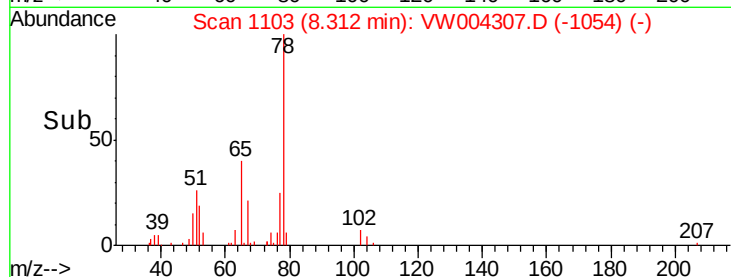
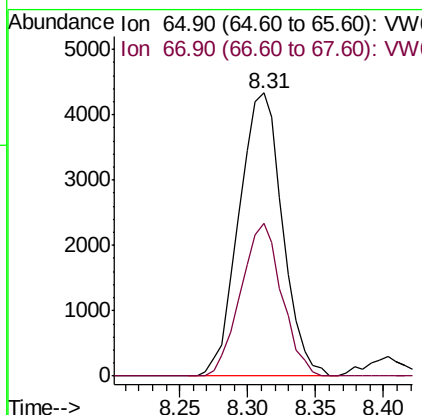
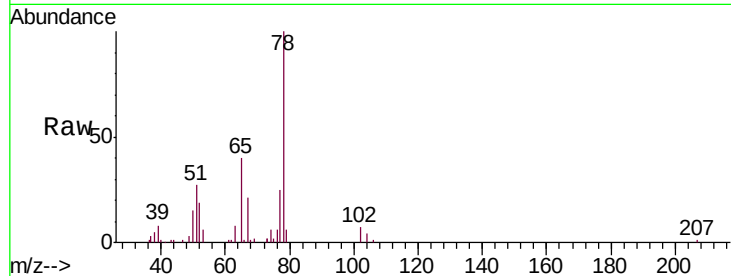
#33
 1,2-Dichloroethane-d4
 Concen: 5.12 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.4

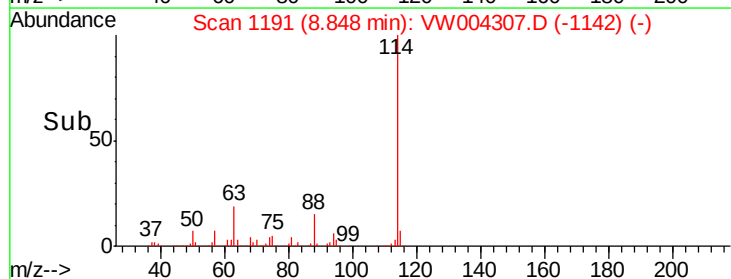
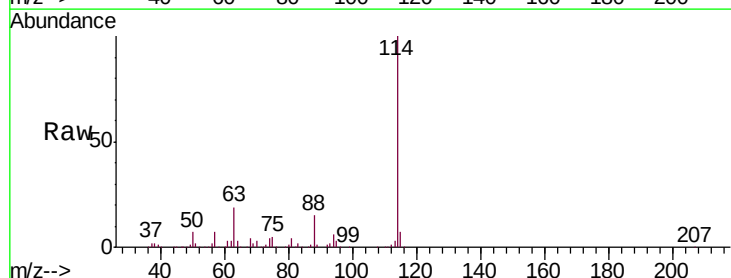
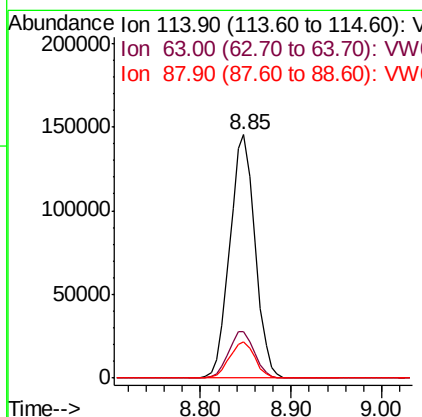
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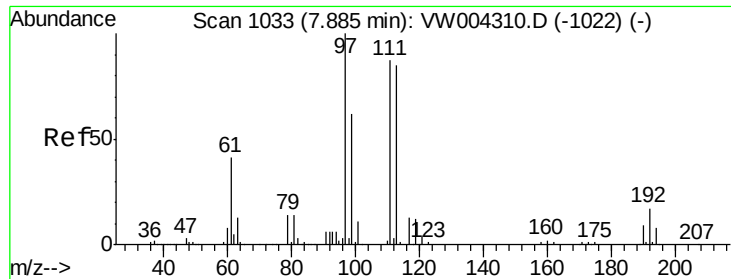
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	41.4
88	15.1	0.0	30.6





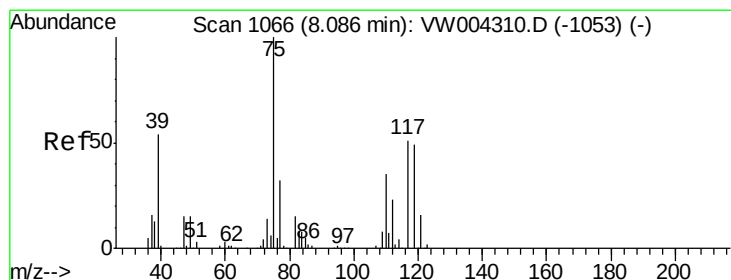
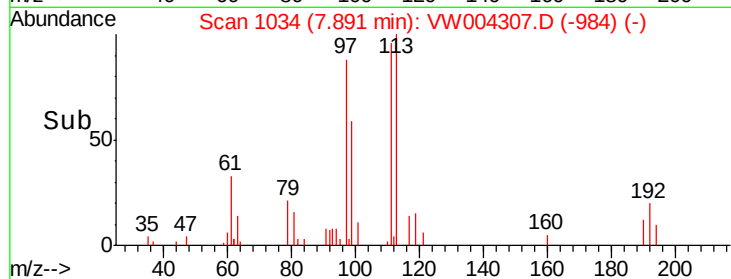
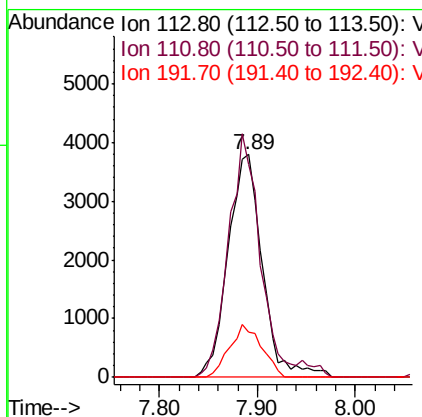
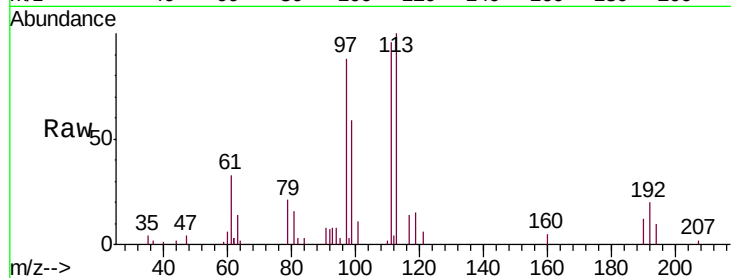
#35
 Dibromofluoromethane
 Concen: 5.22 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.1	123.1
192	22.1	16.2	24.4

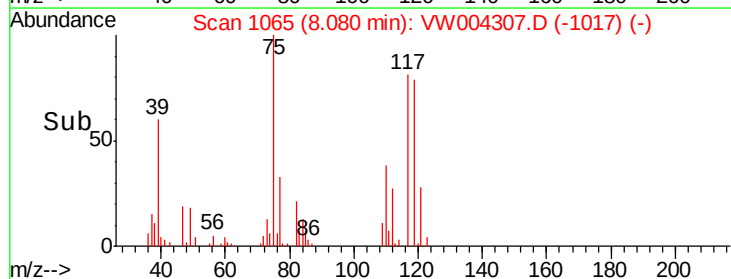
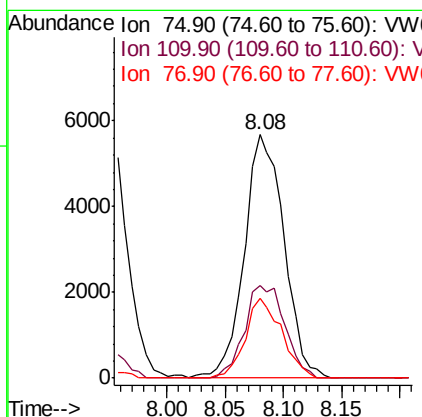
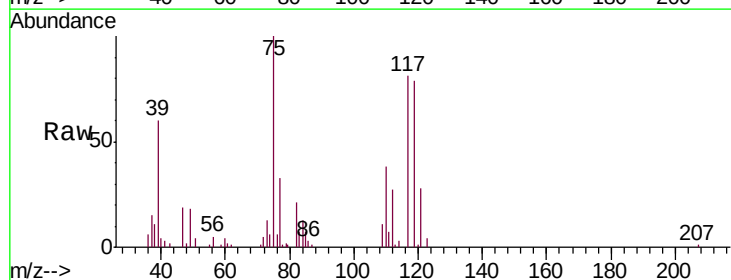
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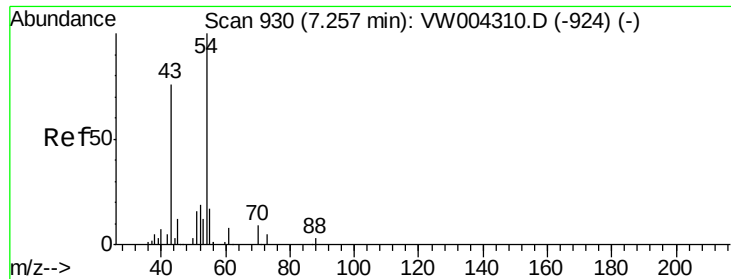
apatel
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#36
 1,1-Dichloropropene
 Concen: 4.80 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	17.3	52.0
77	30.2	25.0	37.6





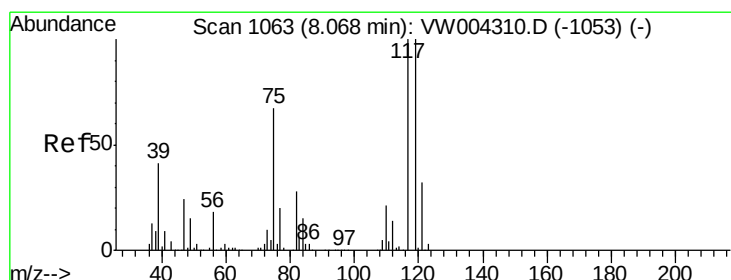
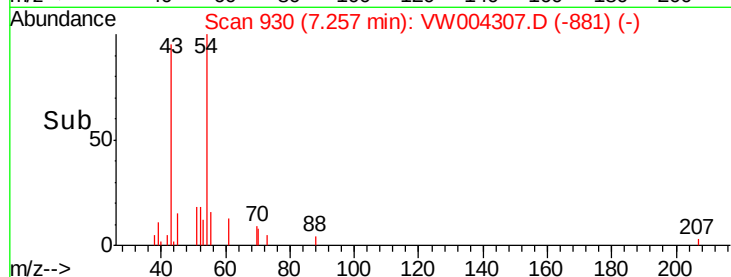
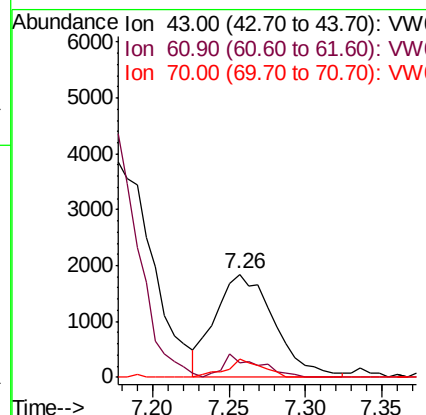
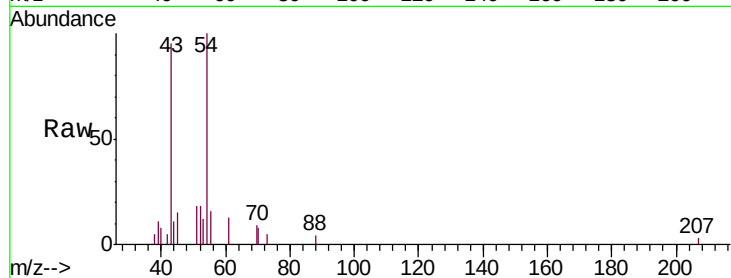
#37
Ethyl Acetate
Concen: 4.32 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	10.8	7.8	11.6

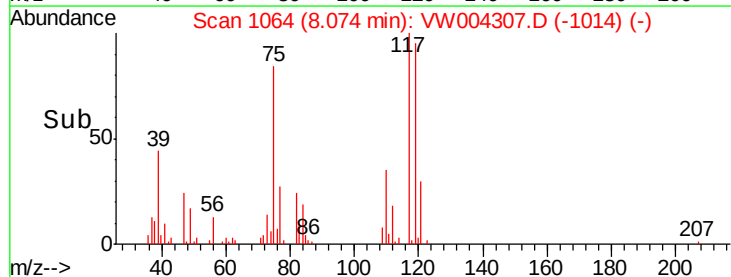
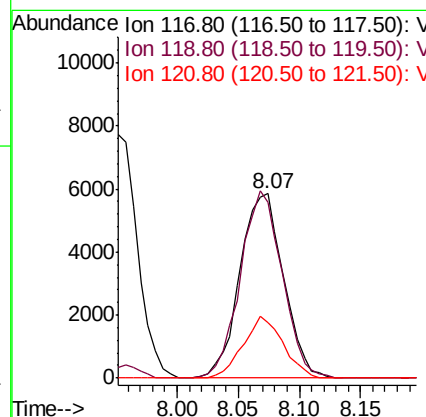
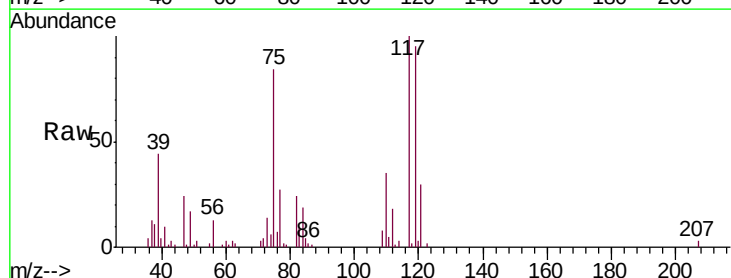
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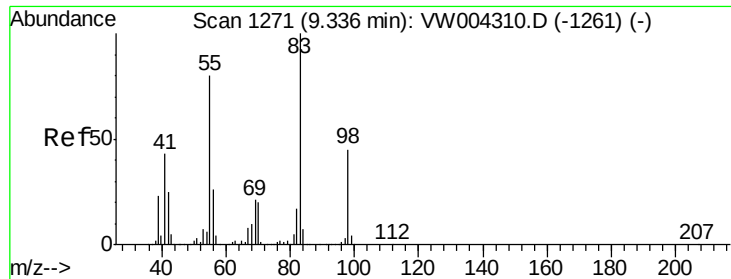
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#38
Carbon Tetrachloride
Concen: 5.25 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	79.7	119.5
121	30.0	25.7	38.5





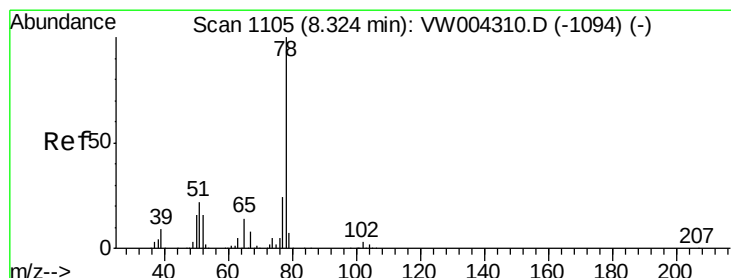
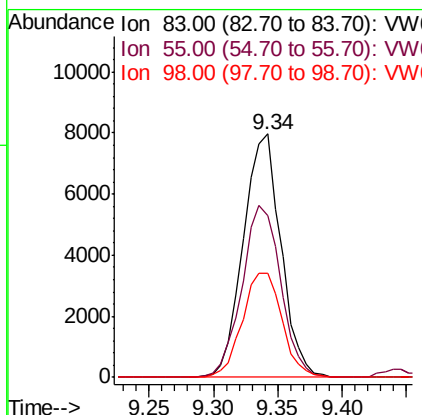
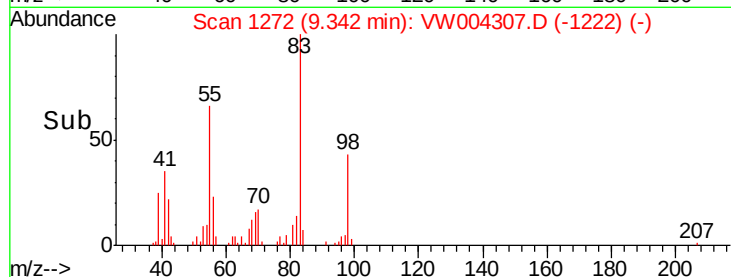
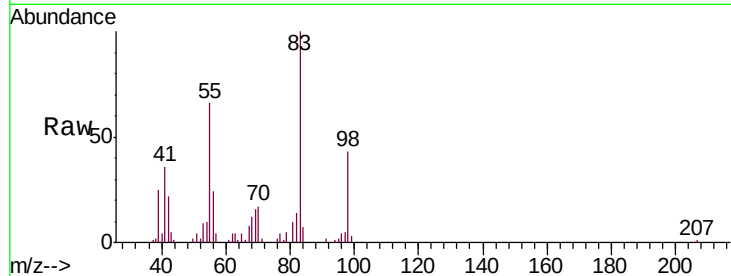
#39
Methylvlcyclohexane
Concen: 4.77 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	16080
Ion Ratio	Lower	Upper	
83	100		
55	66.2	64.3	96.5
98	42.9	36.3	54.5

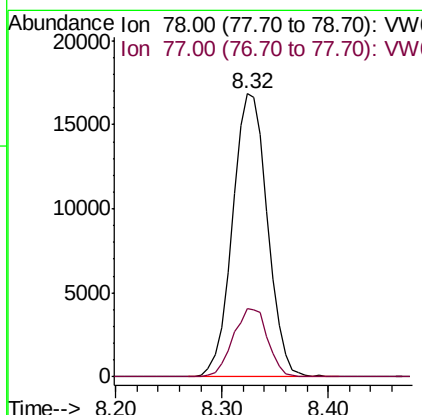
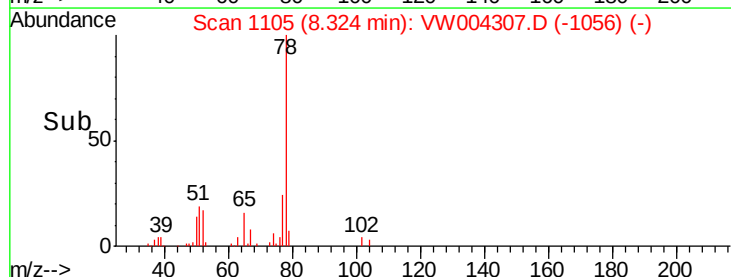
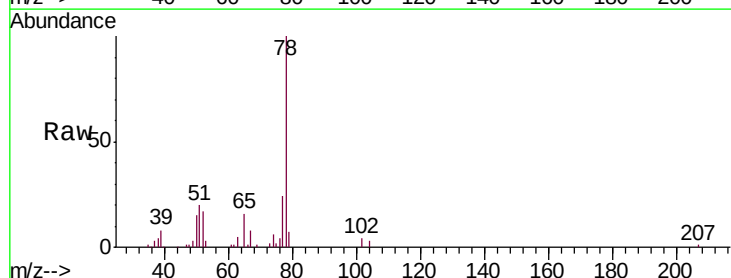
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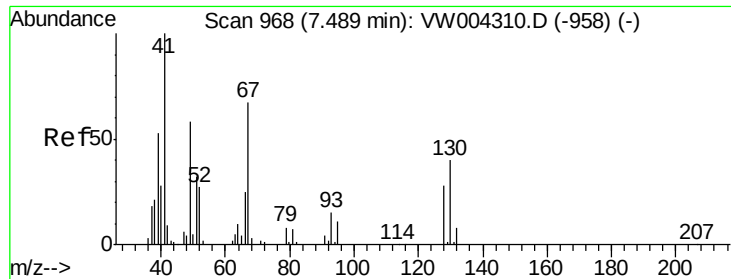
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#40
Benzene
Concen: 4.92 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	78	Resp	38722
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.4	29.0





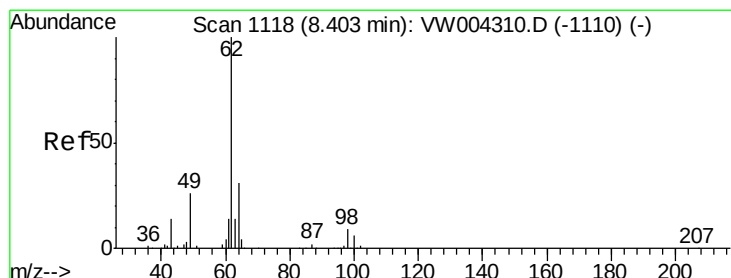
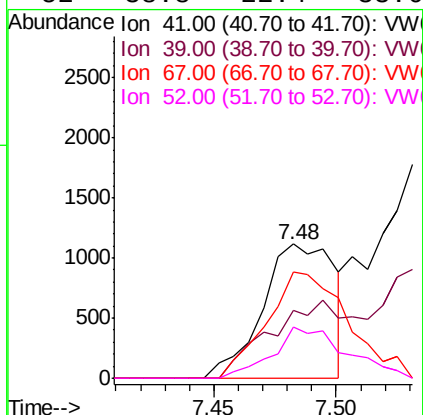
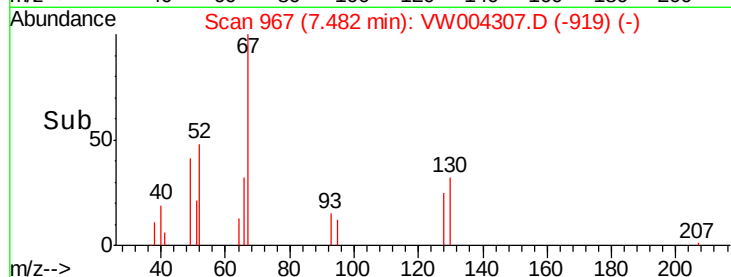
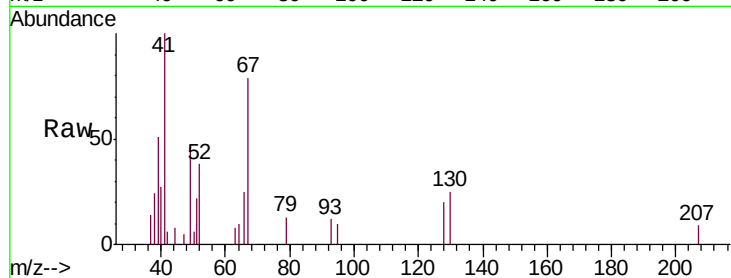
#41
Methacrylonitrile
Concen: 3.48 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.2	41.2	61.8#
67	89.7	53.4	80.0#
52	38.8	22.4	33.6#

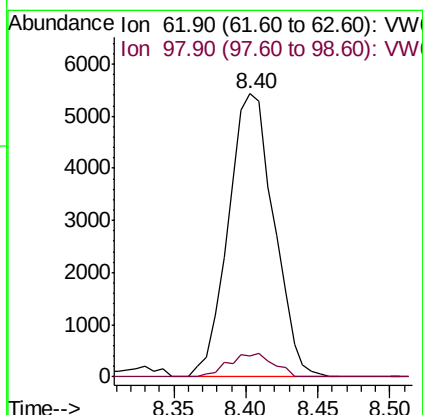
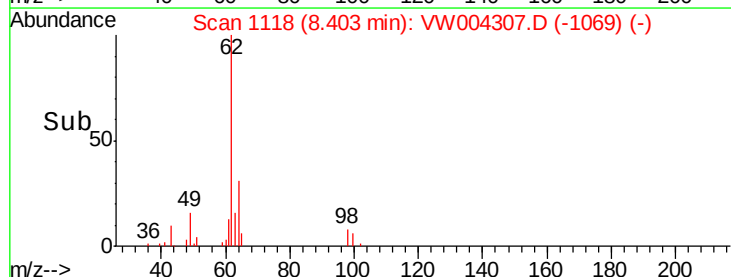
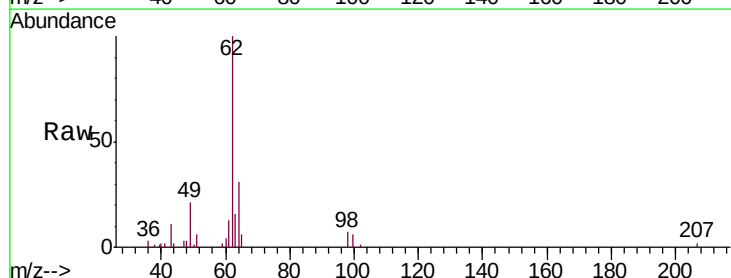
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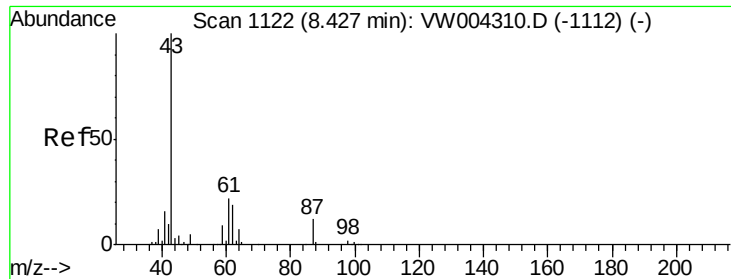
apatel
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#42
1,2-Dichloroethane
Concen: 5.32 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 4.25 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

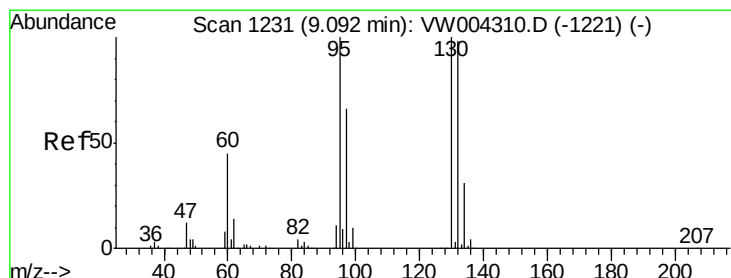
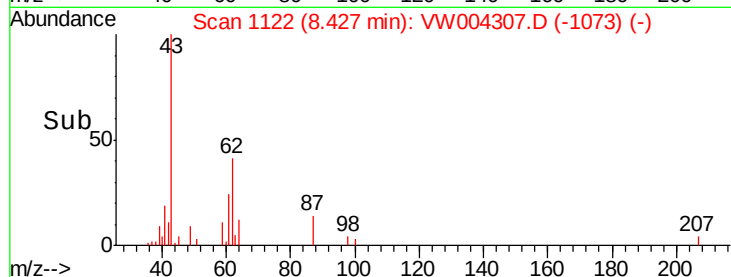
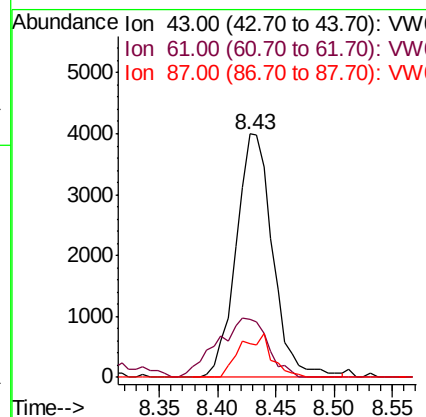
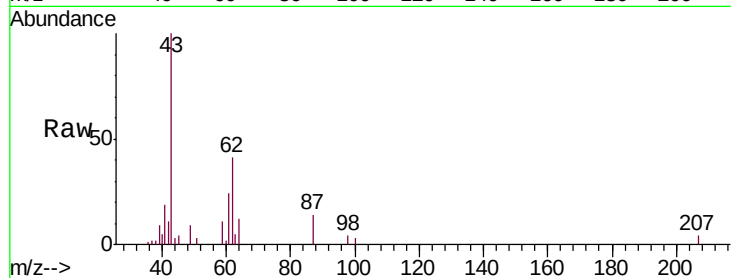
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	8775
Ion	Ratio	Lower	Upper
43	100		
61	33.6	24.5	36.7
87	15.4	10.4	15.6

Manual Integrations
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7/30/2018 10:32:18 AM



#44

Trichloroethene

Concen: 5.33 ug/l

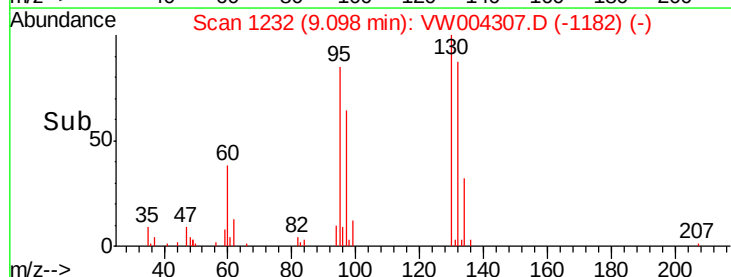
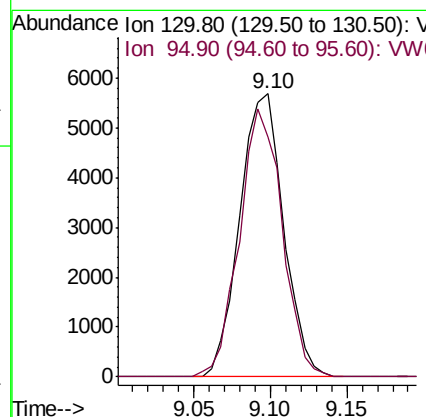
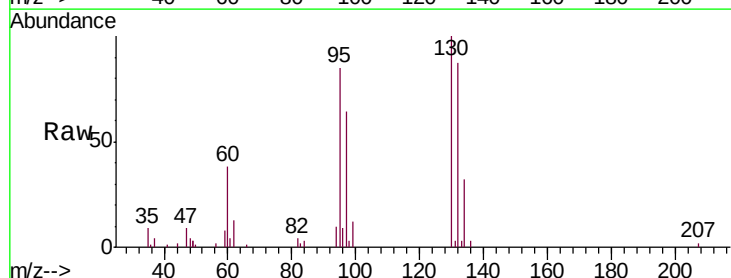
RT: 9.10 min Scan# 1232

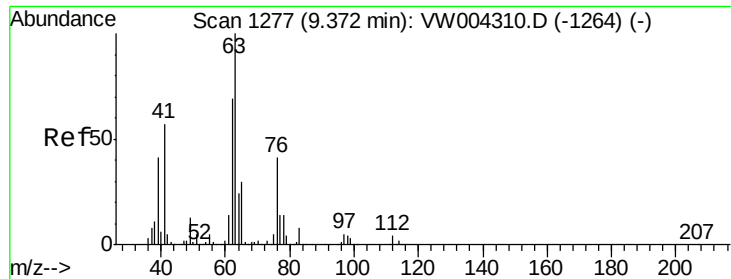
Delta R.T. 0.01 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	130	Resp:	11321
Ion	Ratio	Lower	Upper
130	100		
95	84.9	0.0	199.4





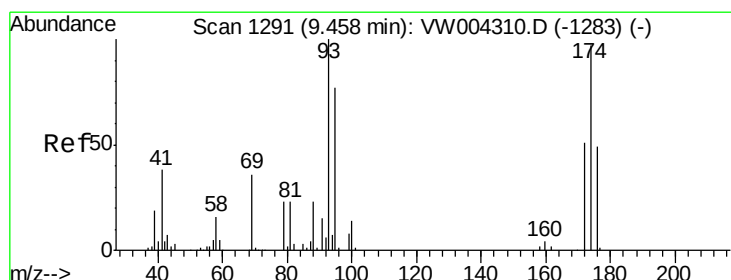
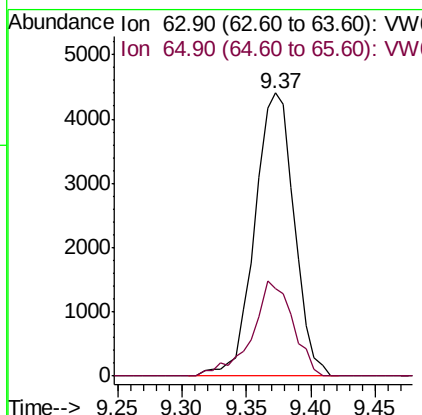
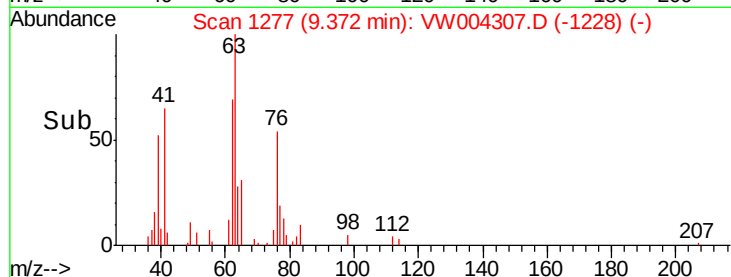
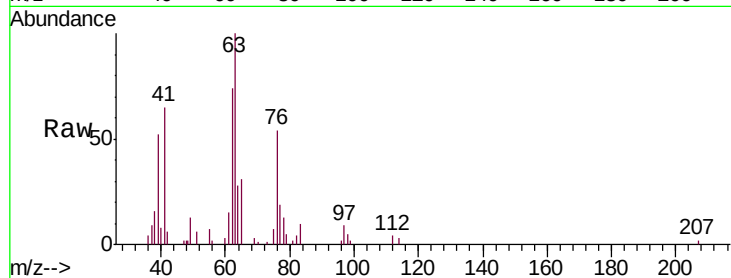
#45
 1,2-Dichloropropane
 Concen: 4.77 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.9	35.9

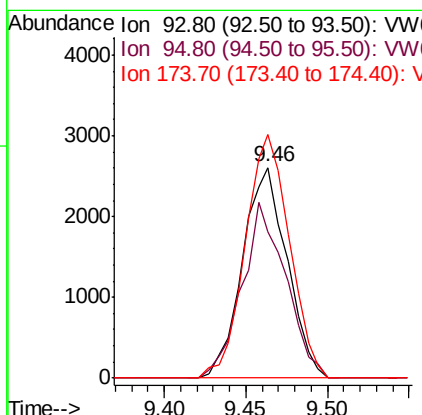
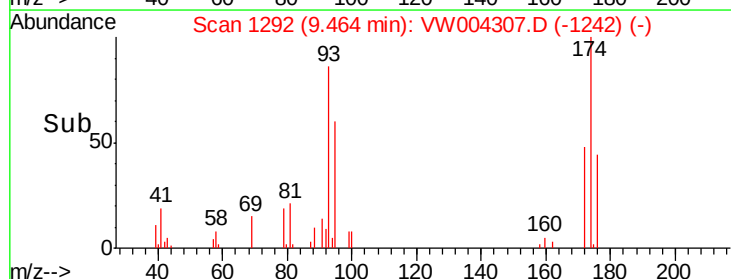
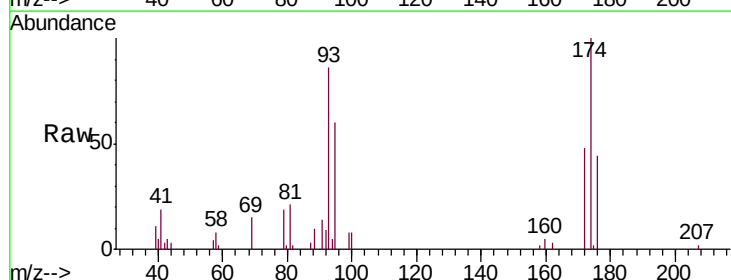
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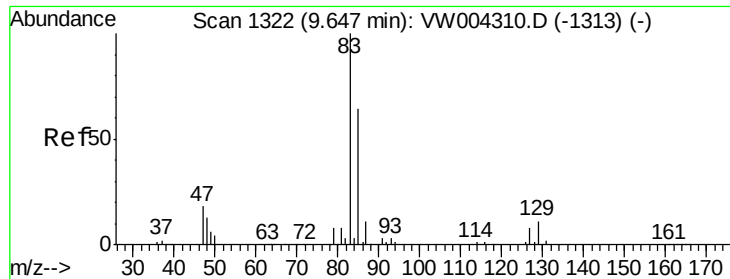
apatel
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#46
 Dibromomethane
 Concen: 4.95 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.8	98.8
174	115.0	83.7	125.5





#47

Bromodichloromethane

Concen: 5.12 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

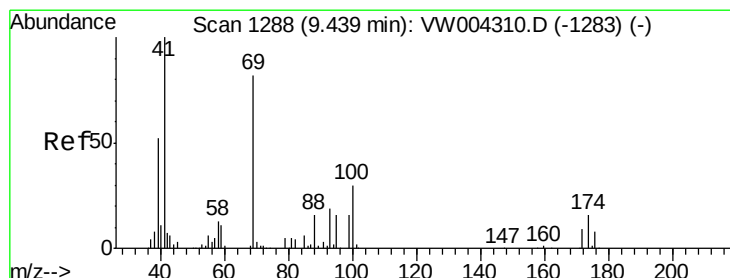
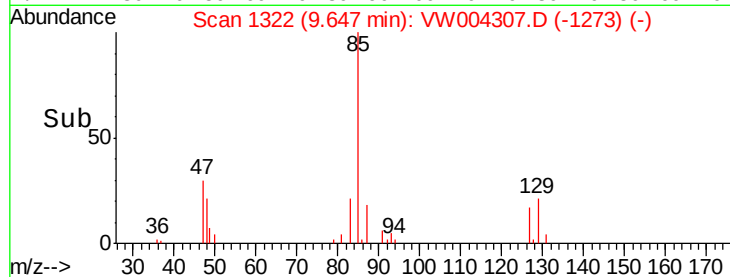
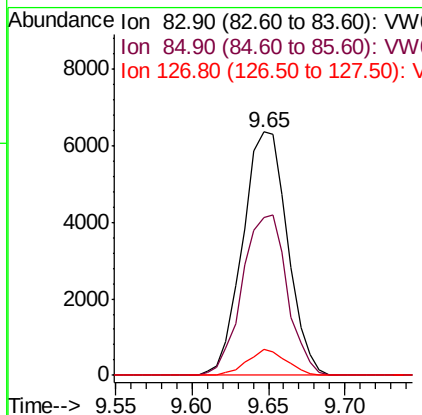
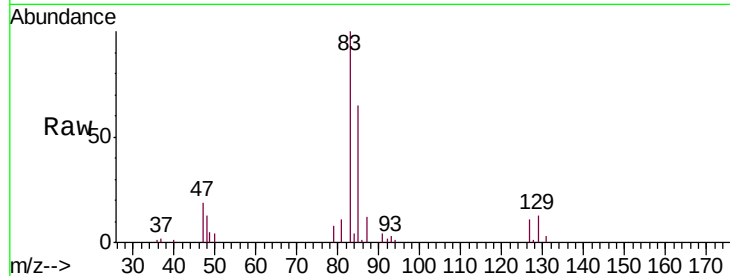
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12954
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.3	76.9
127	10.9	6.6	9.8#

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#48

Methyl methacrylate

Concen: 4.08 ug/l

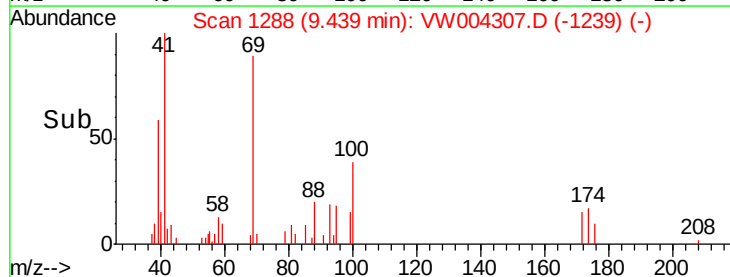
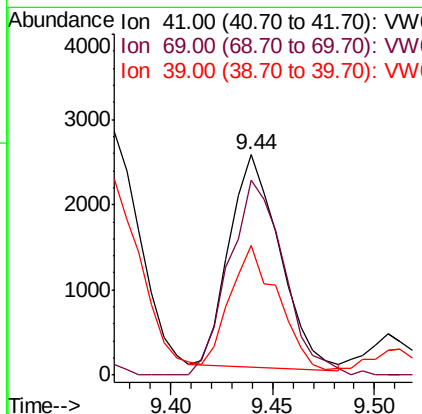
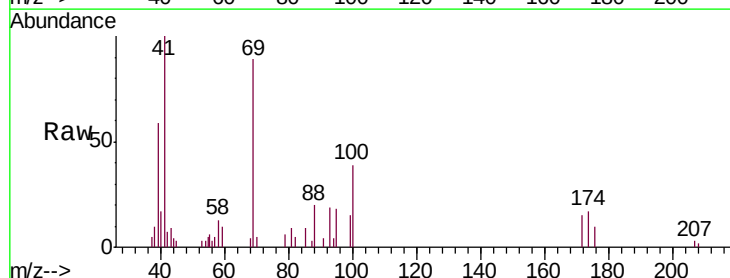
RT: 9.44 min Scan# 1288

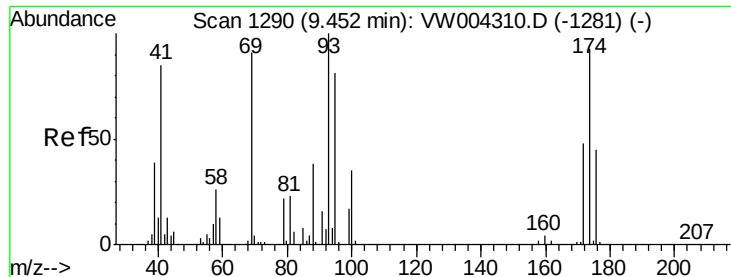
Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	41	Resp:	4289
Ion Ratio	Lower	Upper	
41	100		
69	100.0	69.7	104.5
39	60.5	41.8	62.8





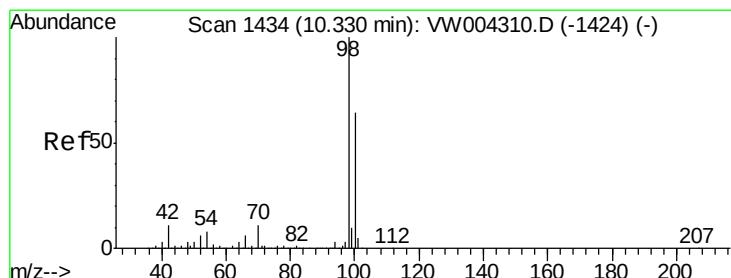
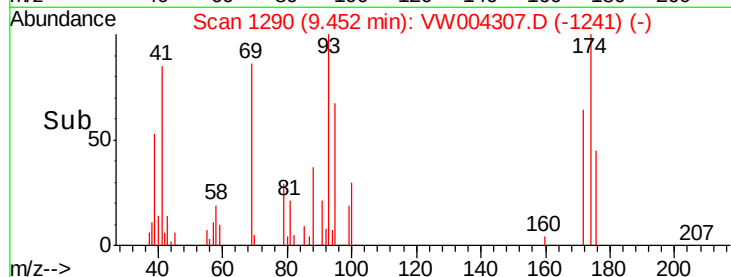
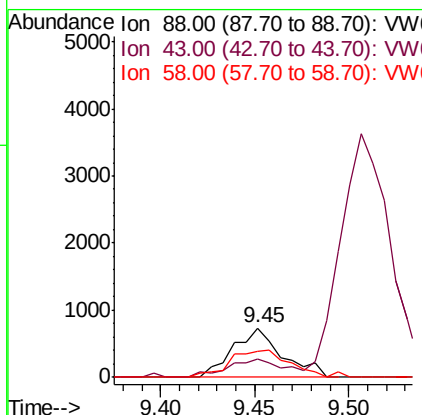
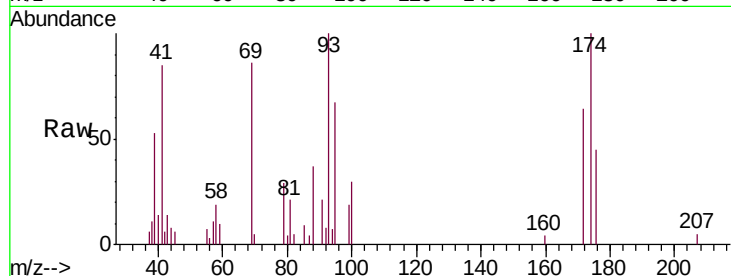
#49
1,4-Dioxane
Concen: 88.63 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.4	28.3	42.5#
58	68.0	60.2	90.4

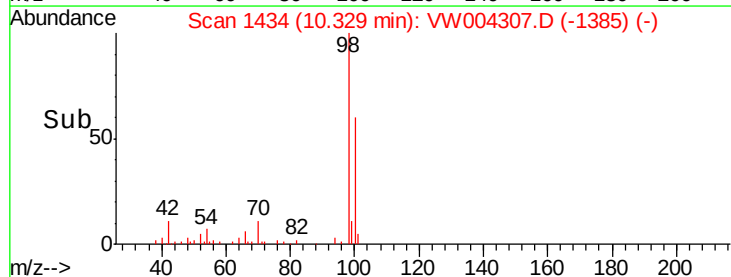
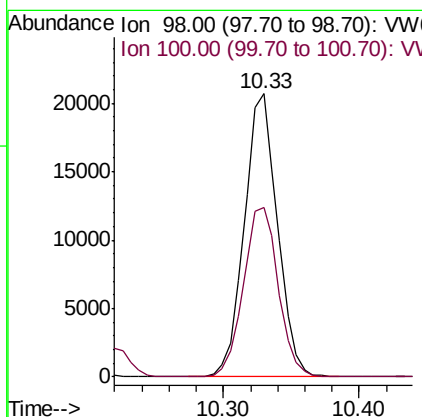
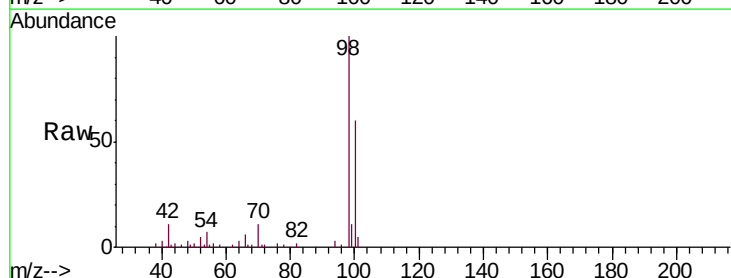
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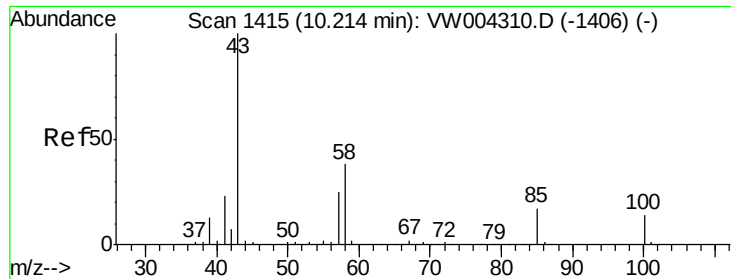
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#50
Toluene-d8
Concen: 5.05 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 19.92 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 22594

Ion Ratio Lower Upper

43 100

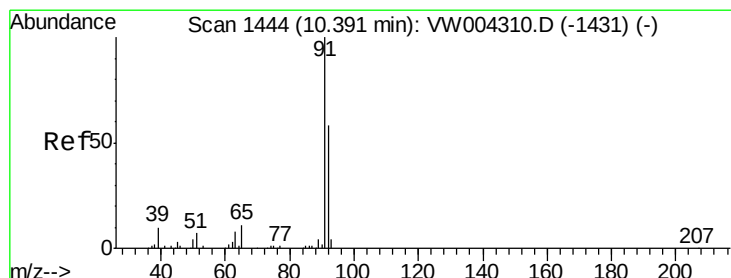
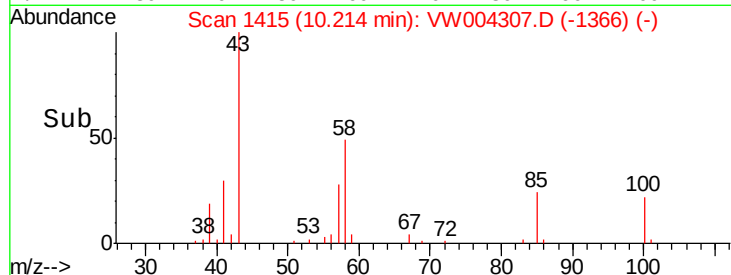
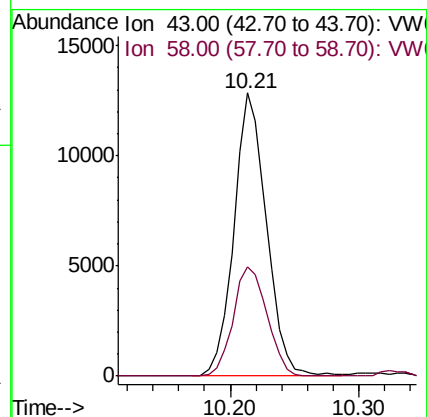
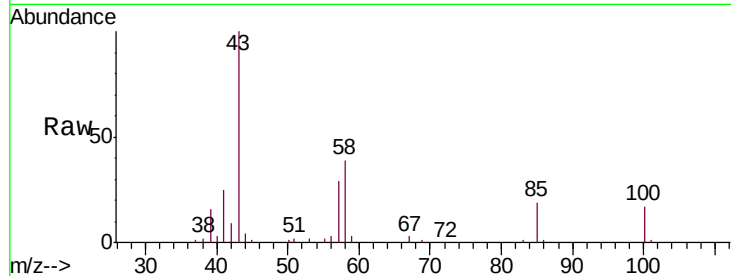
58 40.1 30.6 45.8

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#52

Toluene

Concen: 5.02 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004307.D

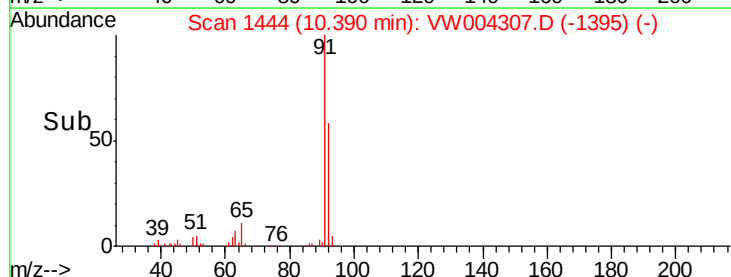
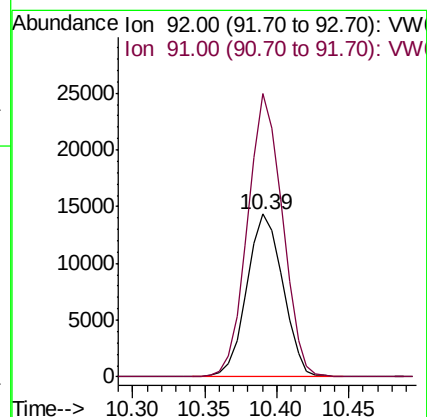
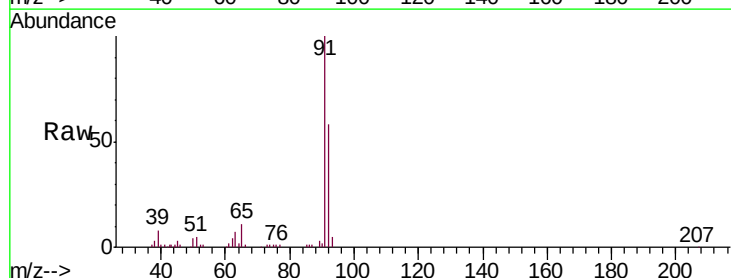
Acq: 29 Jul 2018 11:46

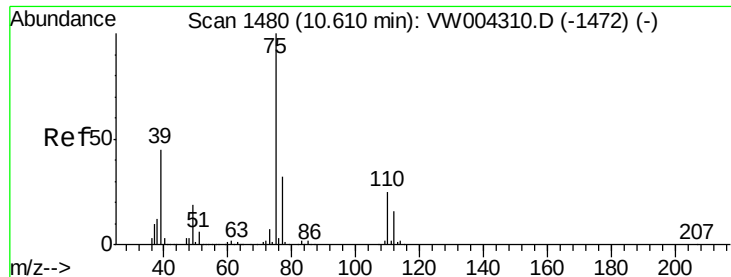
Tgt Ion: 92 Resp: 24808

Ion Ratio Lower Upper

92 100

91 168.3 139.0 208.4





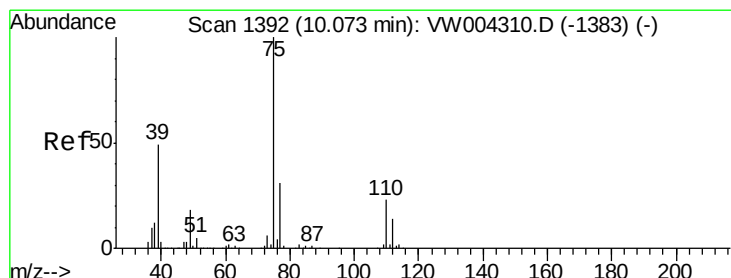
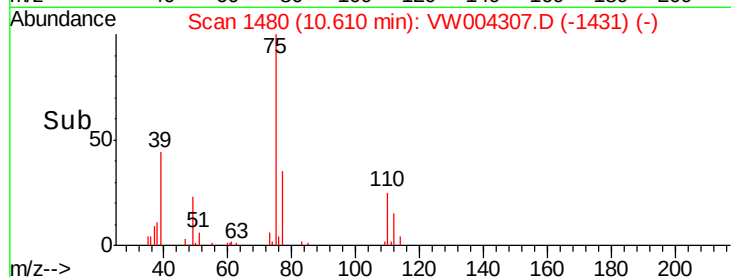
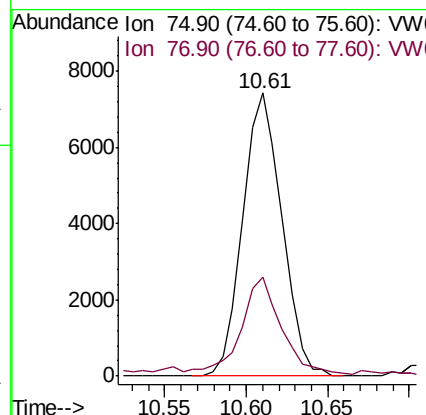
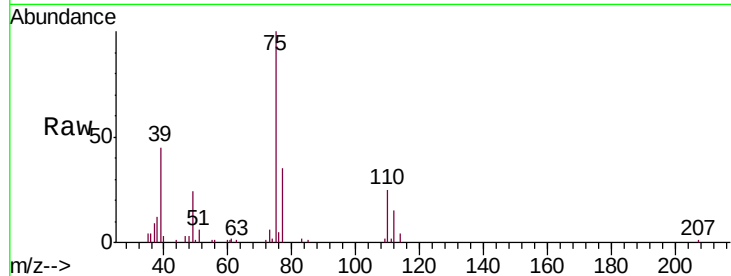
#53
t-1,3-Dichloropropene
Concen: 4.88 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.8	38.6

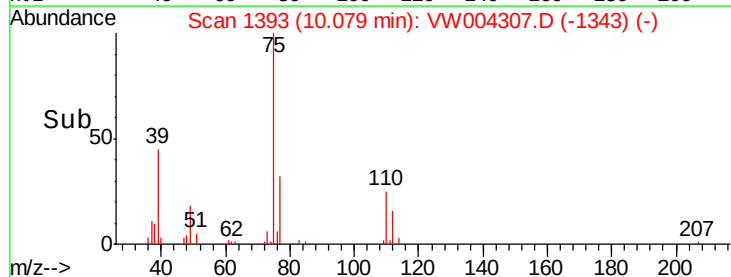
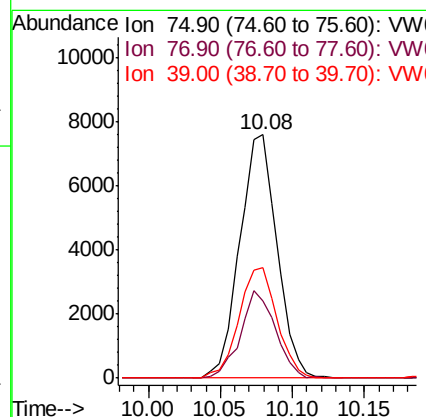
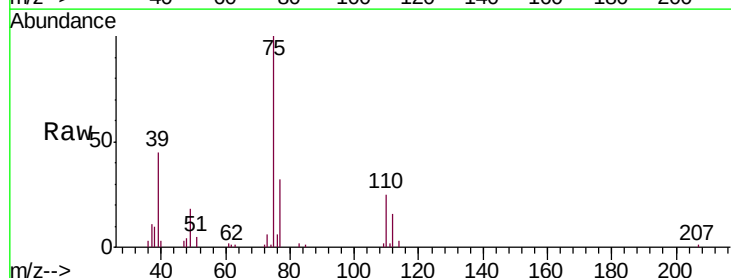
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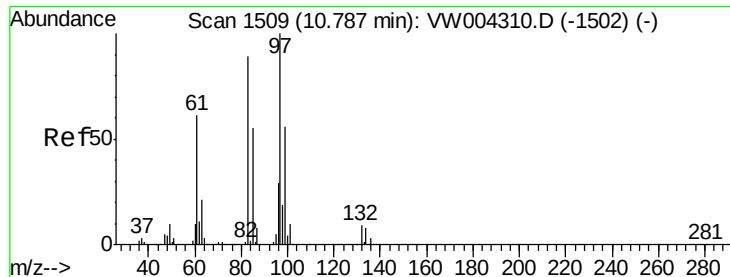
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#54
cis-1,3-Dichloropropene
Concen: 4.62 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4
39	45.4	39.0	58.6





#55

1,1,2-Trichloroethane

Concen: 5.00 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

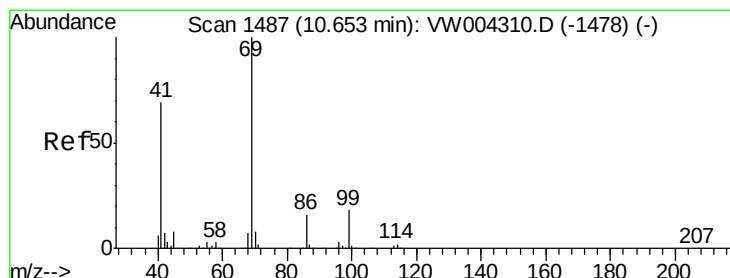
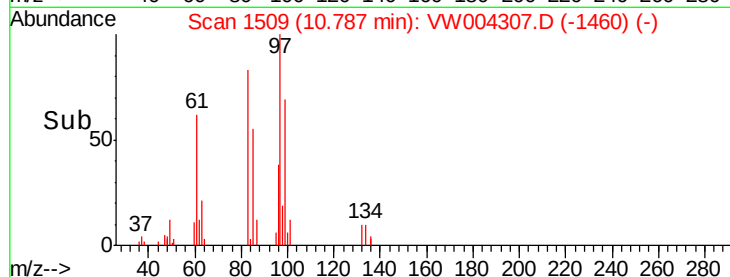
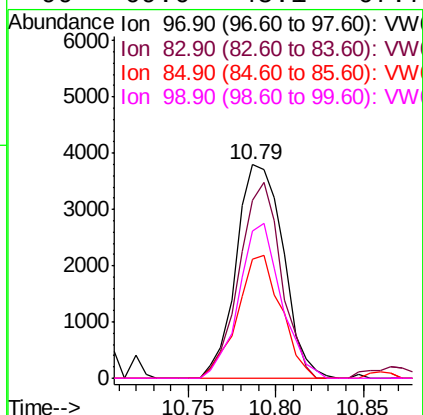
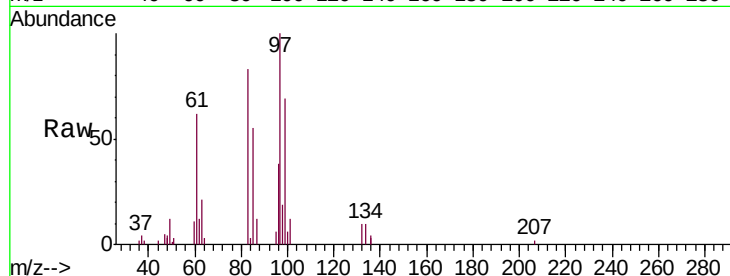
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	7107
Ion	Ratio	Lower	Upper
97	100		
83	83.4	70.8	106.2
85	55.5	43.7	65.5
99	69.0	45.1	67.7#

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#56

Ethyl methacrylate

Concen: 4.07 ug/l

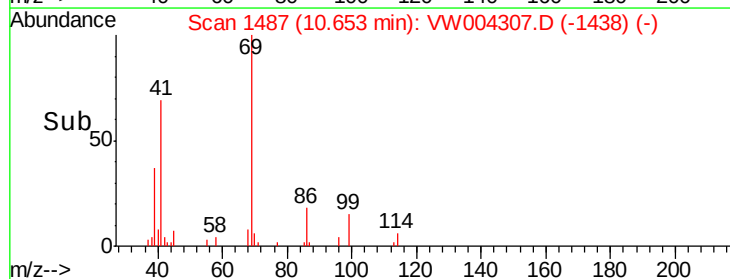
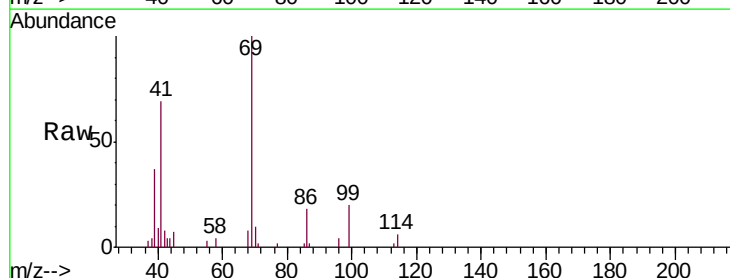
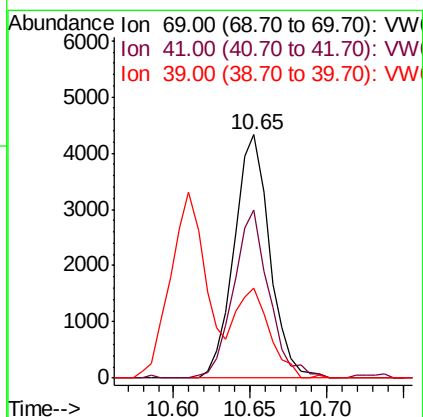
RT: 10.65 min Scan# 1487

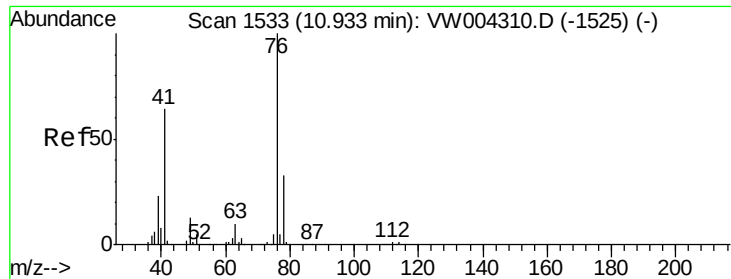
Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	69	Resp:	7003
Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.7	82.1
39	34.4	24.4	36.6





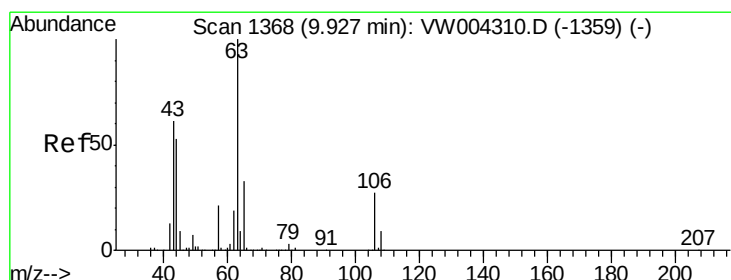
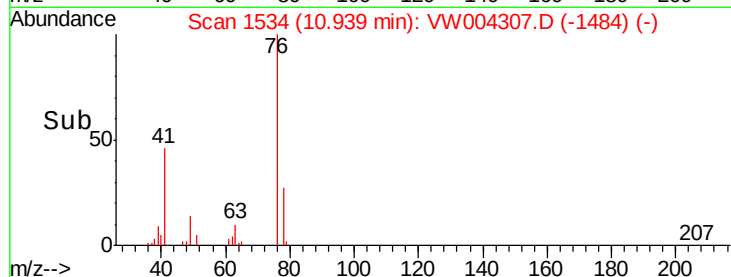
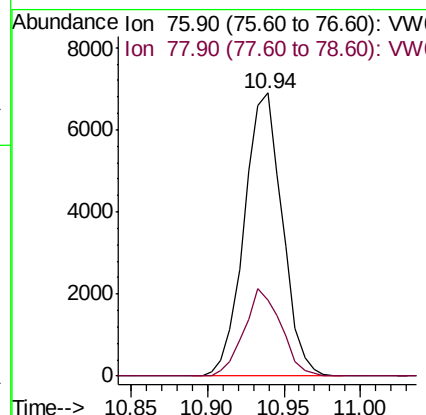
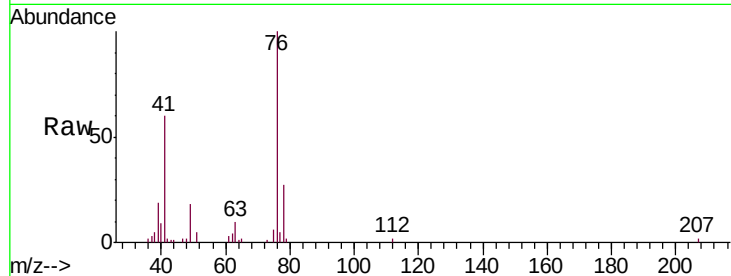
#57
 1,3-Dichloropropane
 Concen: 4.92 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 11919
 Ion Ratio Lower Upper
 76 100
 78 30.0 25.6 38.4

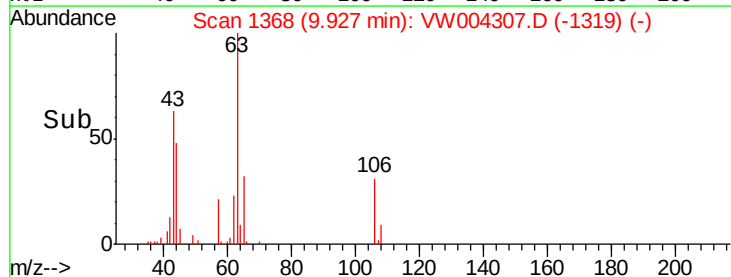
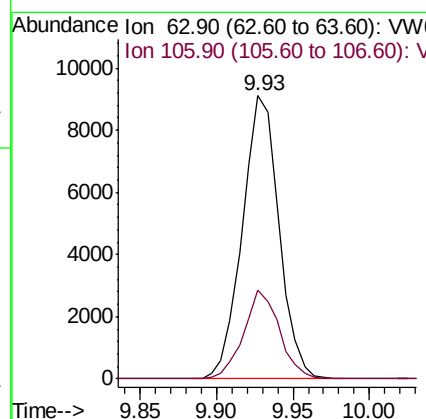
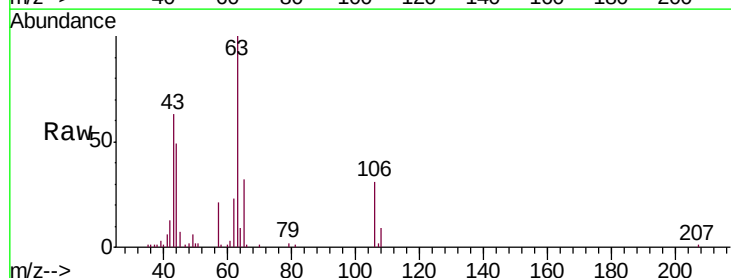
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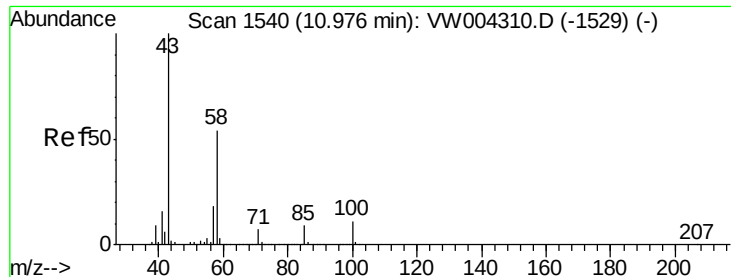
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#58
 2-Chloroethyl Vinyl ether
 Concen: 19.84 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Tgt Ion: 63 Resp: 15157
 Ion Ratio Lower Upper
 63 100
 106 30.6 21.9 32.9





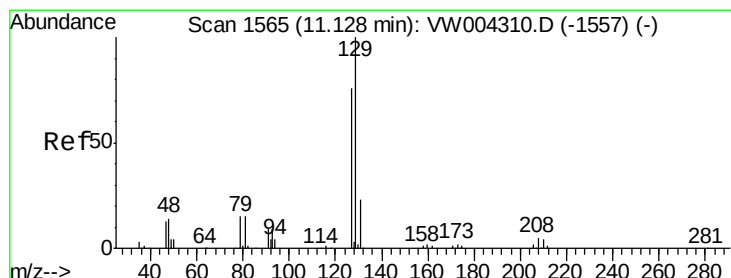
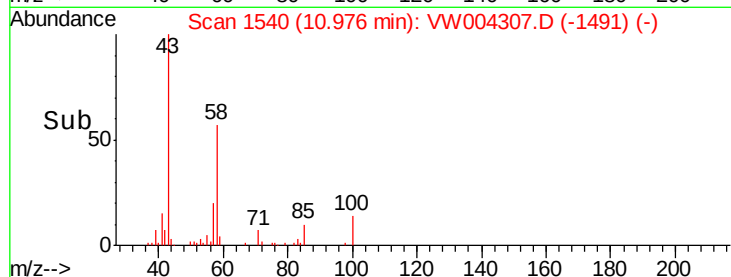
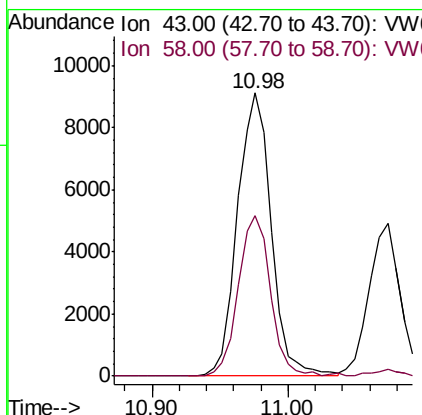
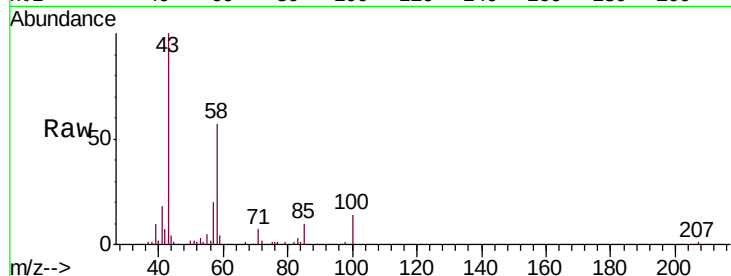
#59
2-Hexanone
Concen: 20.26 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 15775
Ion Ratio Lower Upper
43 100
58 54.3 26.5 79.4

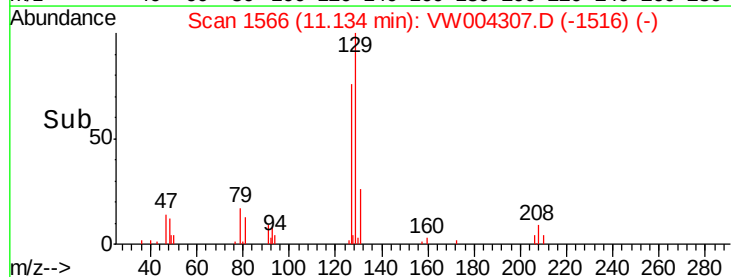
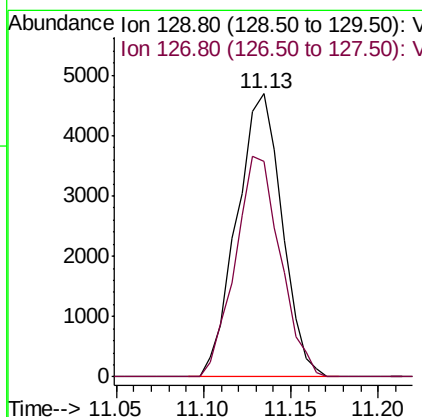
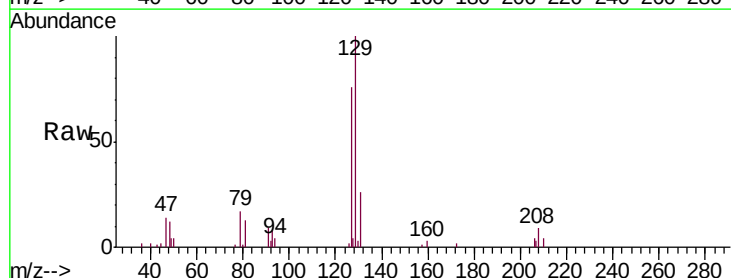
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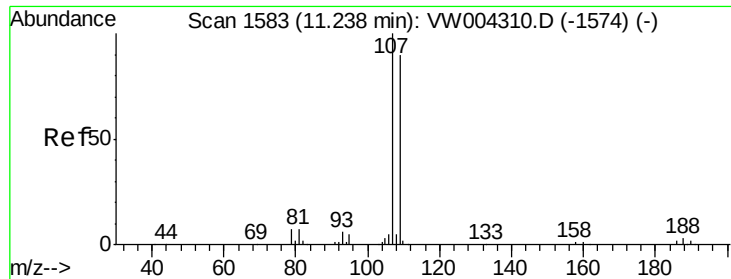
apatel
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#60
Dibromochloromethane
Concen: 4.96 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion: 129 Resp: 8433
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





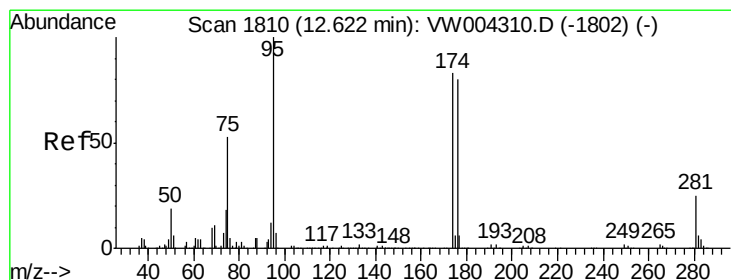
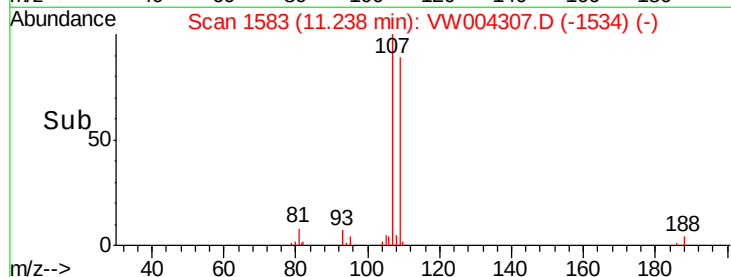
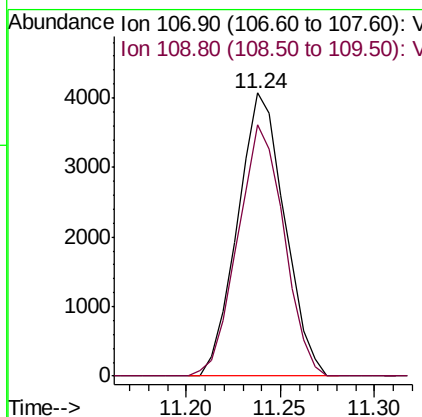
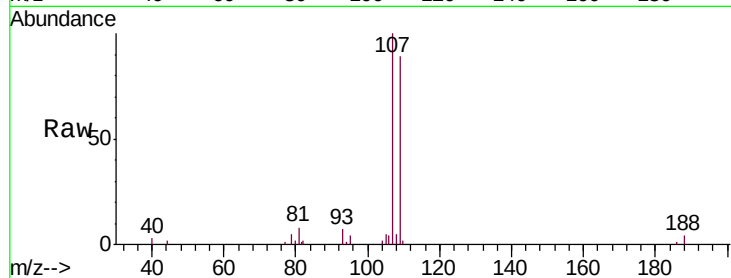
#61
 1,2-Dibromoethane
 Concen: 5.19 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 7032
 Ion Ratio Lower Upper
 107 100
 109 87.4 74.6 112.0

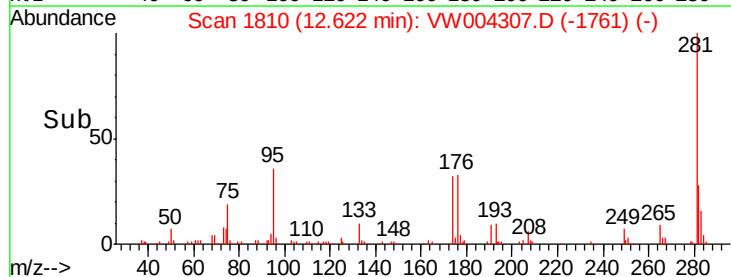
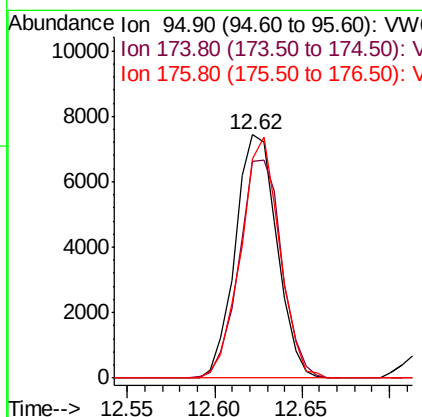
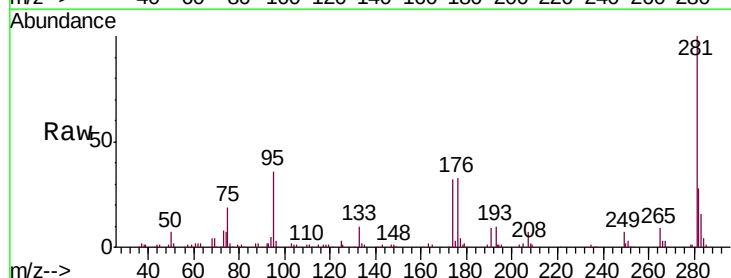
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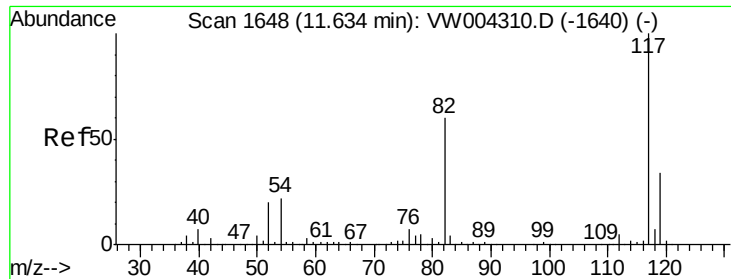
apatel
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#62
 4-Bromofluorobenzene
 Concen: 5.00 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Tgt Ion: 95 Resp: 12286
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 167.8
 176 92.3 0.0 162.4





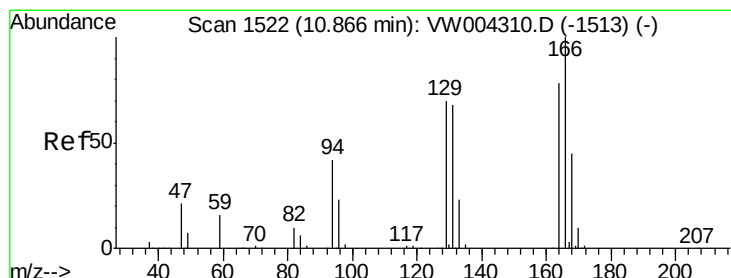
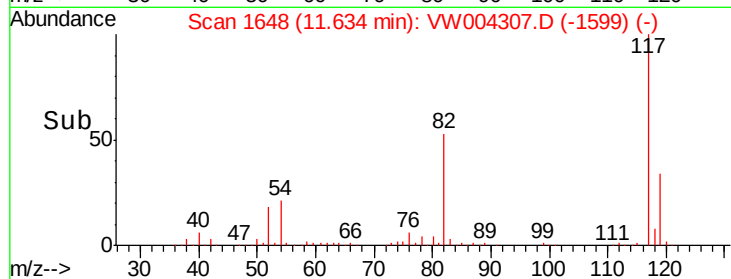
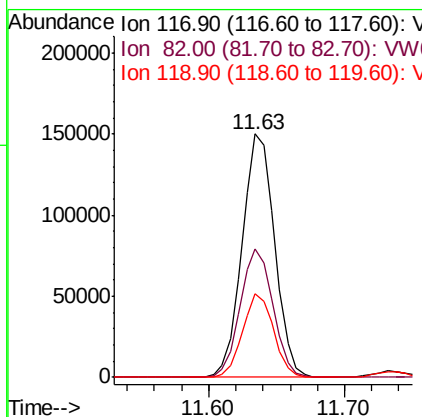
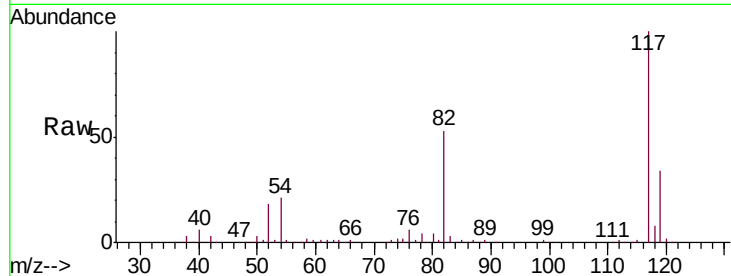
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	47.9	71.9
119	34.1	27.1	40.7

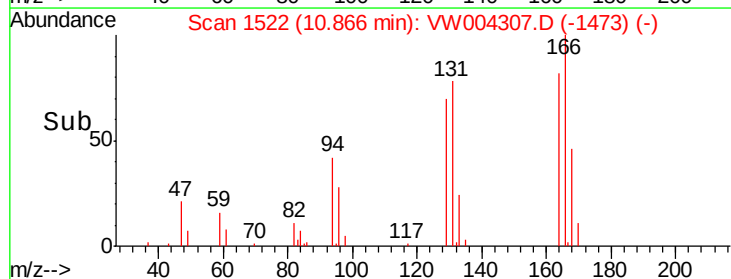
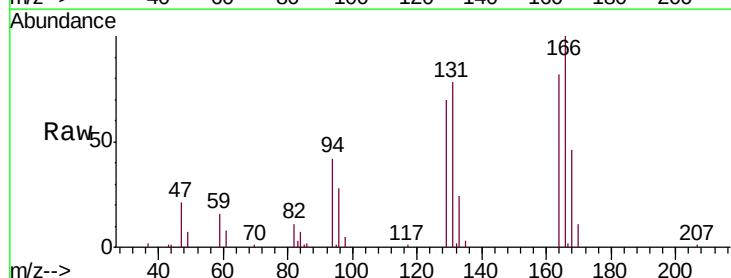
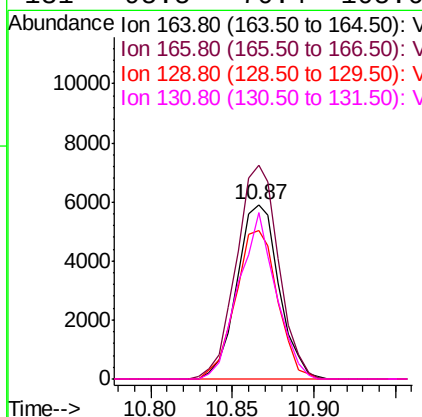
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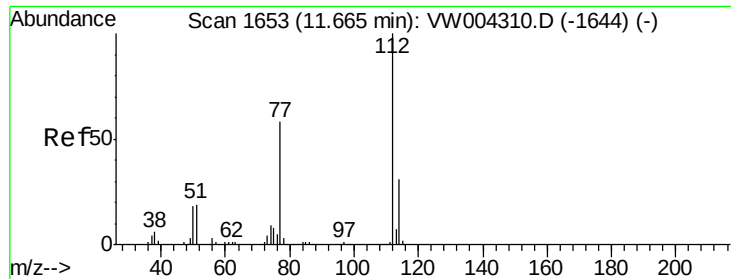
apatel
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#64
Tetrachloroethene
Concen: 5.75 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	103.2	154.8
129	85.1	72.1	108.1
131	95.5	70.4	105.6





#65

Chlorobenzene

Concen: 5.17 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 27255

Ion Ratio Lower Upper

112 100

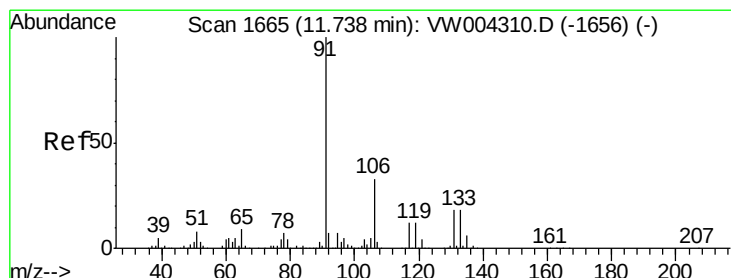
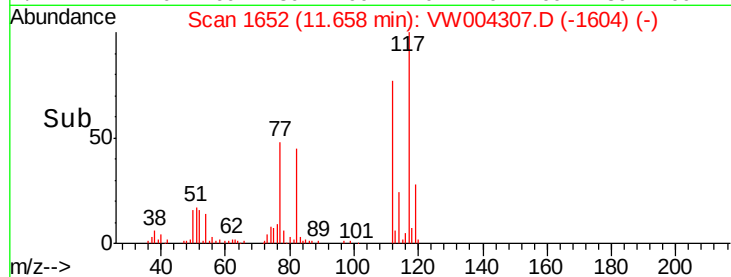
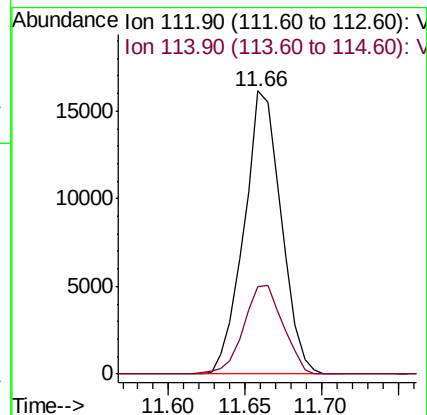
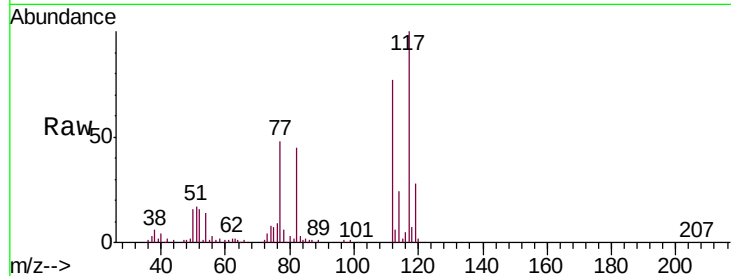
114 31.0 24.7 37.1

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.17 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

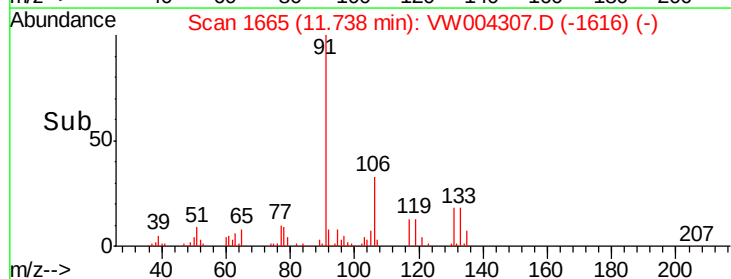
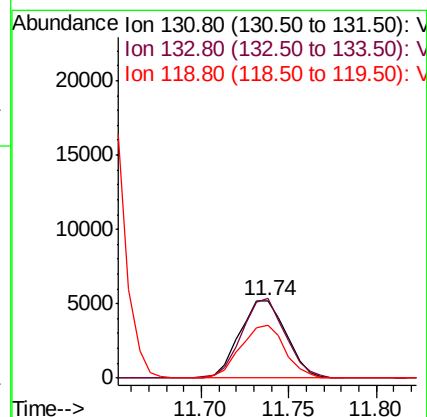
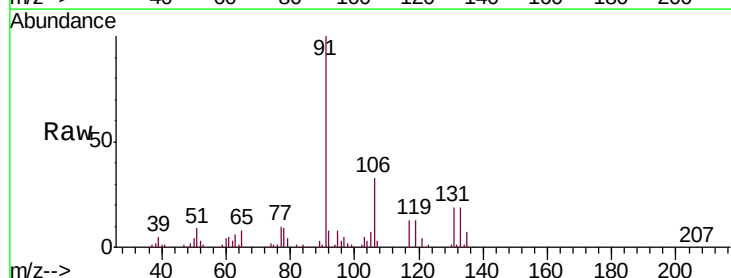
Tgt Ion:131 Resp: 9603

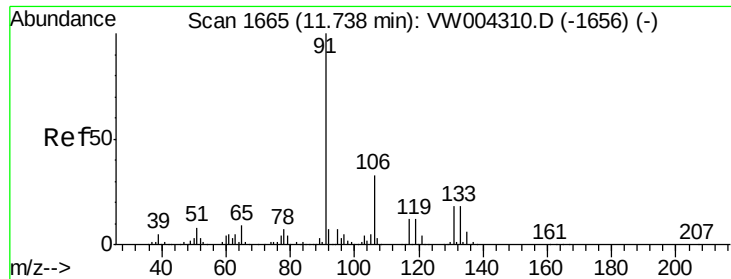
Ion Ratio Lower Upper

131 100

133 97.0 48.6 145.9

119 65.3 33.1 99.5





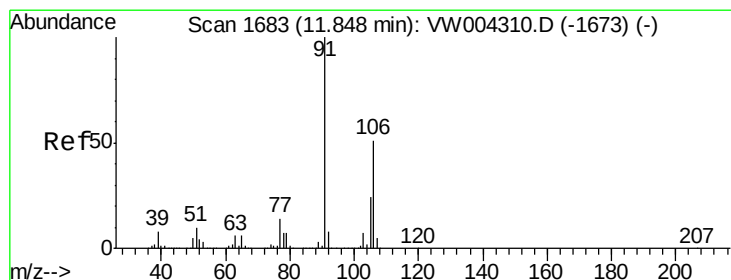
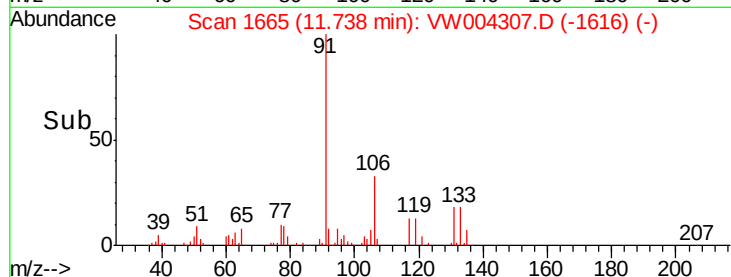
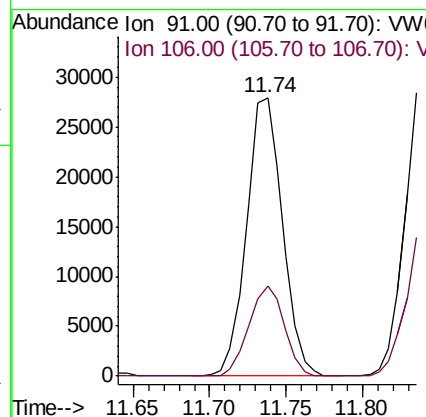
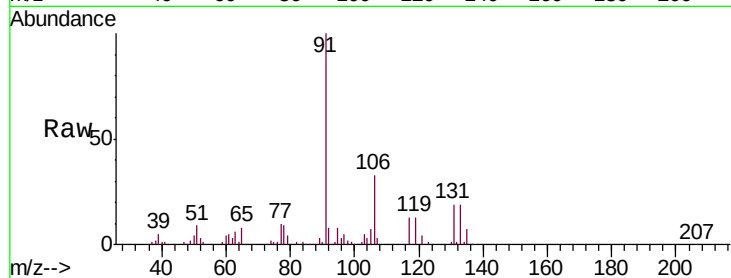
#67
Ethyl Benzene
Concen: 4.96 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 45517
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1

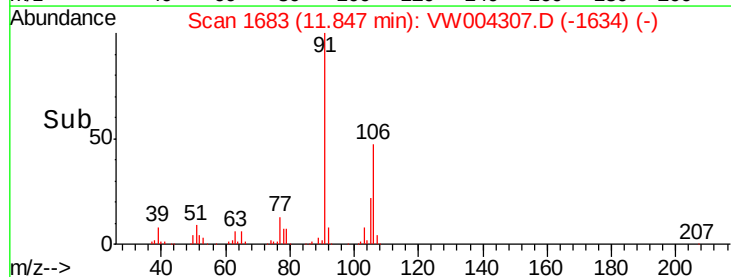
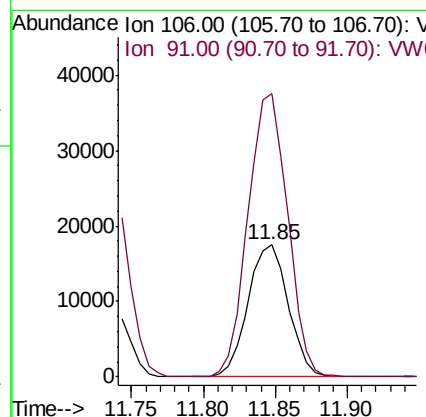
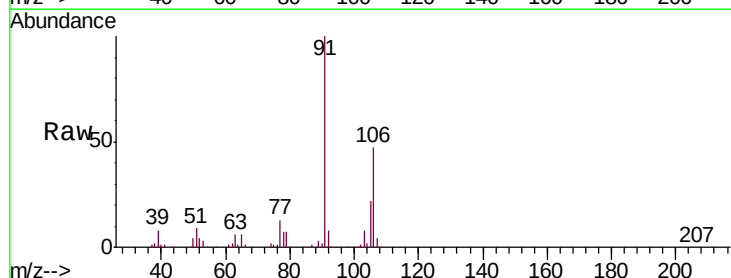
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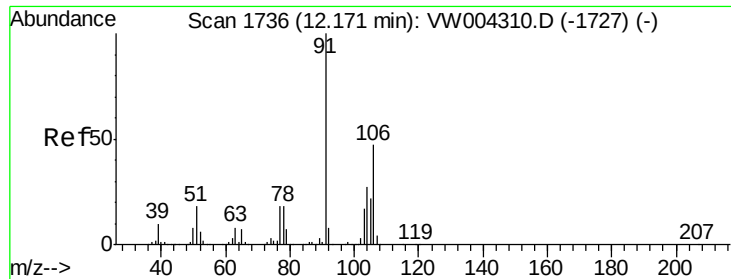
apatel
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#68
m/p-Xylenes
Concen: 9.59 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion: 106 Resp: 33890
Ion Ratio Lower Upper
106 100
91 211.0 162.2 243.2





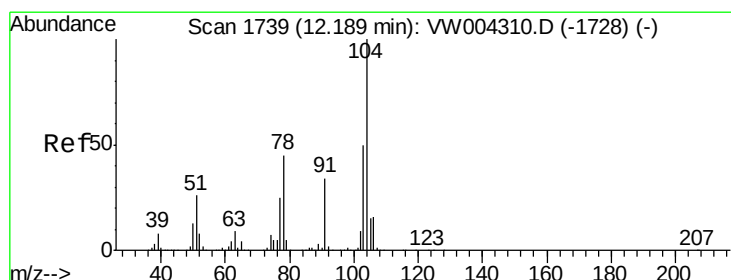
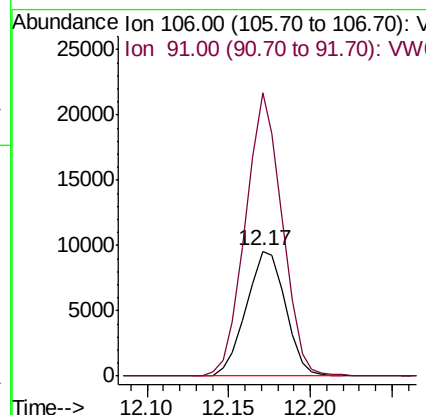
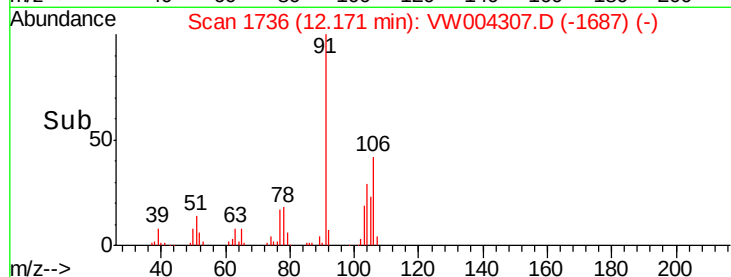
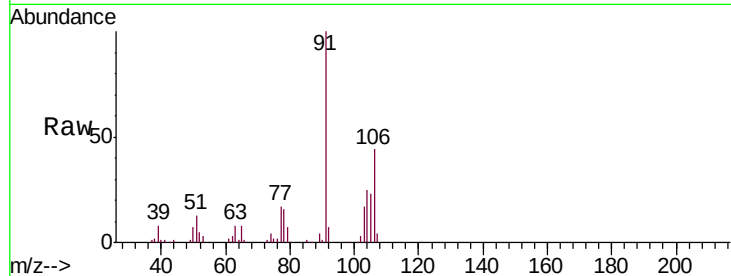
#69
o-Xylene
Concen: 4.92 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 16077
Ion Ratio Lower Upper
106 100
91 212.6 108.7 326.1

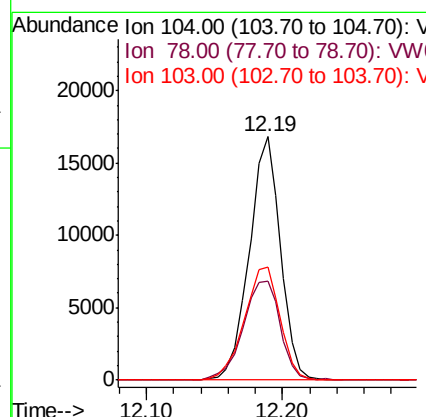
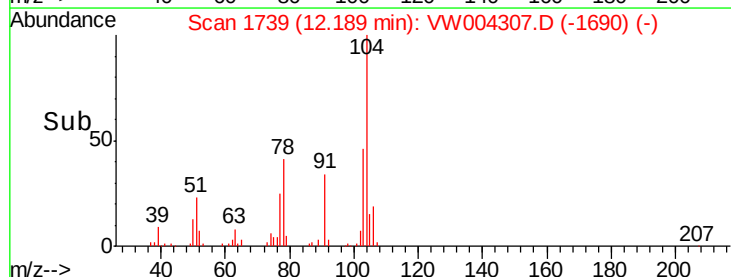
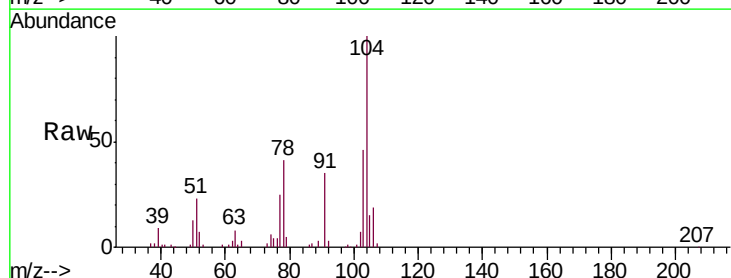
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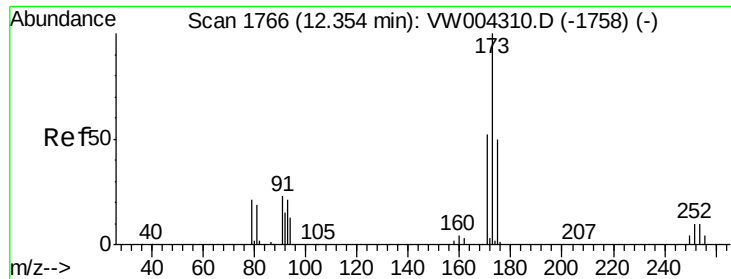
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#70
Styrene
Concen: 4.90 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion:104 Resp: 27025
Ion Ratio Lower Upper
104 100
78 48.3 40.9 61.3
103 52.9 45.0 67.6





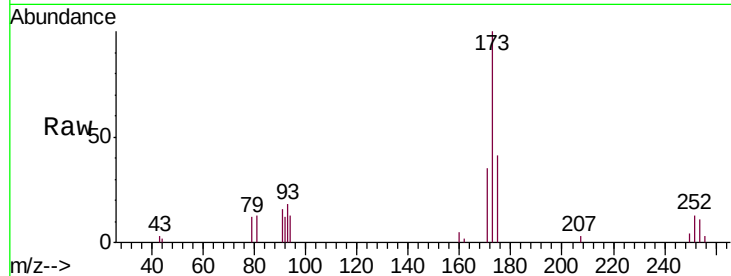
#71
Bromoform
Concen: 5.28 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.5	73.5
254	0.0	0.2	0.2

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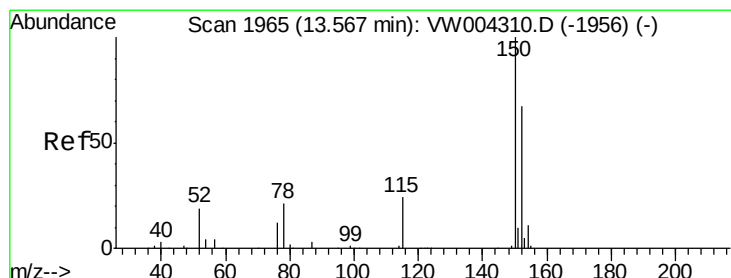
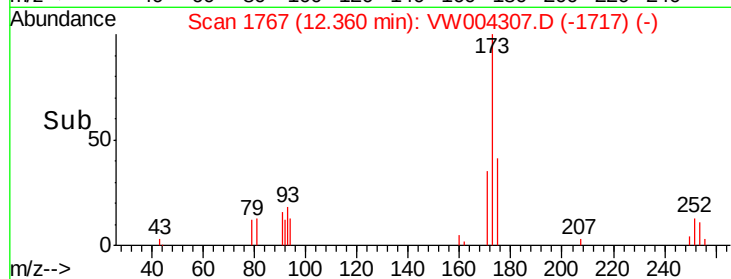
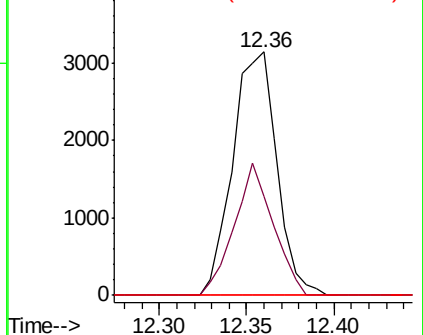


Abundance

Ion 172.70 (172.40 to 173.40): V

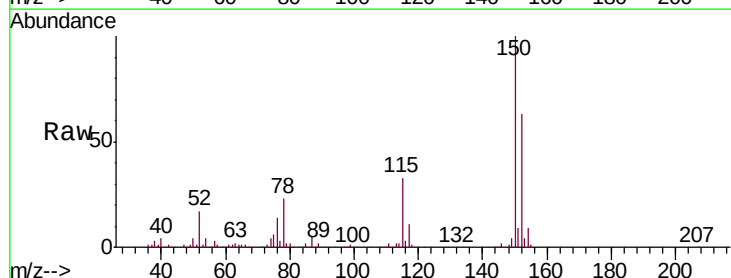
Ion 174.70 (174.40 to 175.40): V

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: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.8	86.4
150	161.2	0.0	346.4

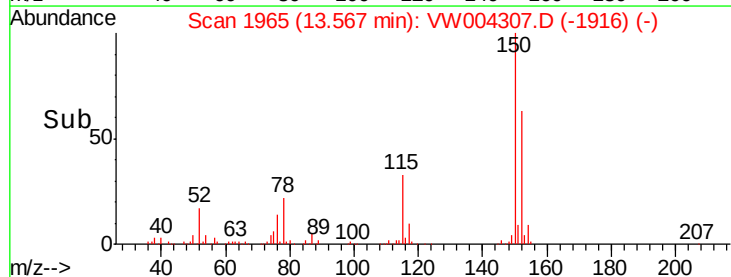
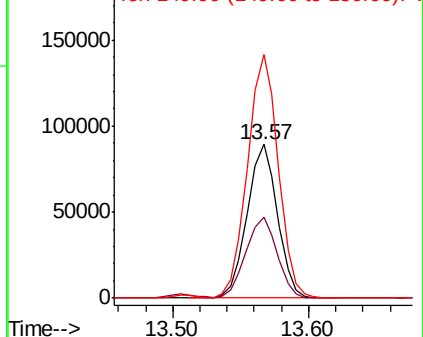


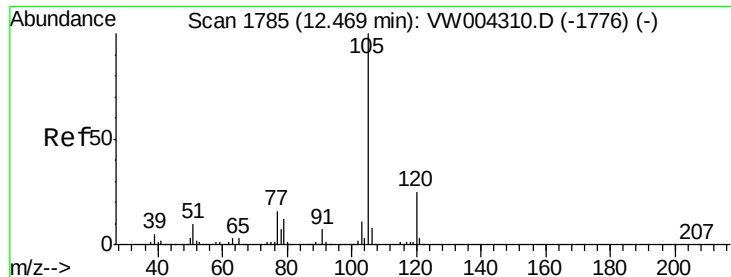
Abundance

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: 4.70 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 45367

Ion Ratio Lower Upper

105 100

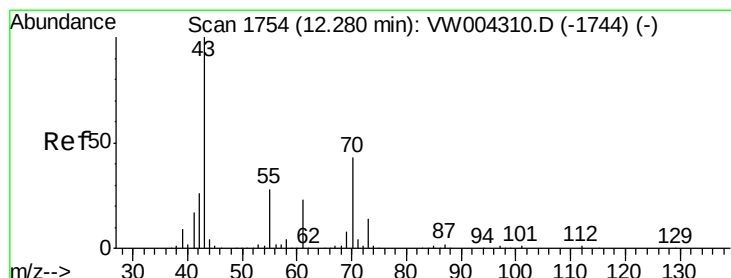
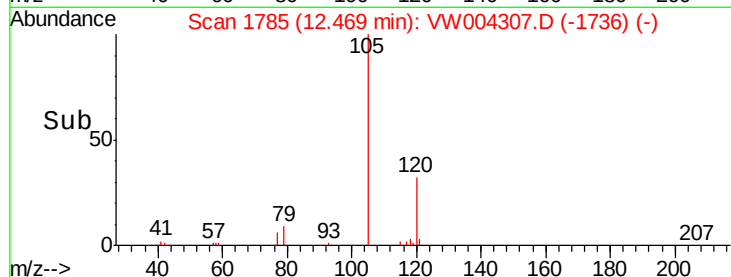
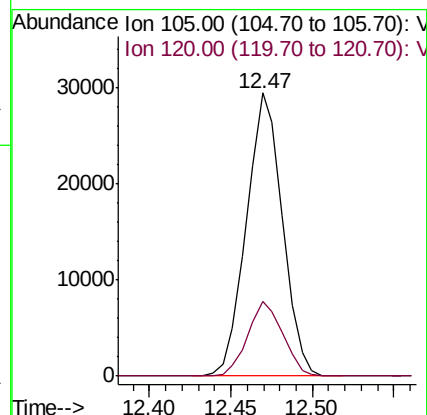
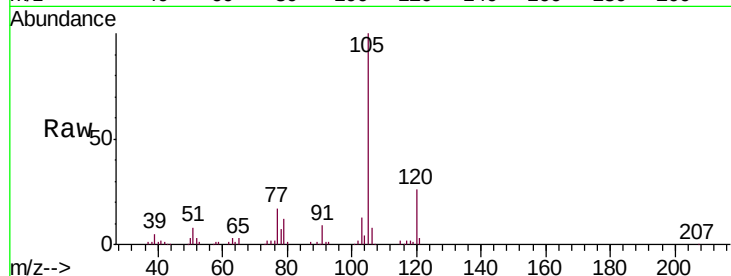
120 25.7 13.2 39.6

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#74

N-ethyl acetate

Concen: 3.95 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion: 43 Resp: 8259

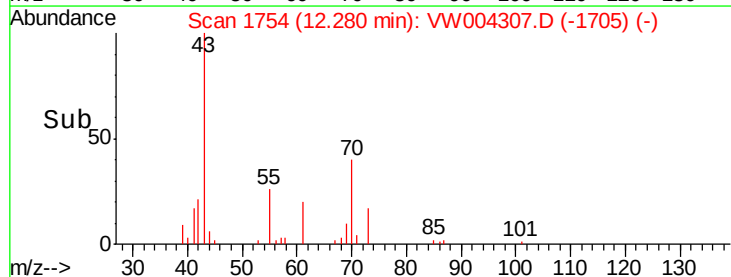
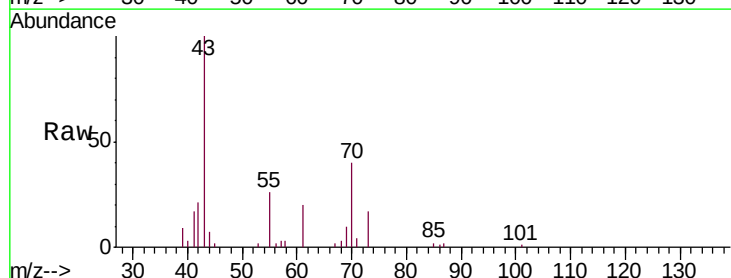
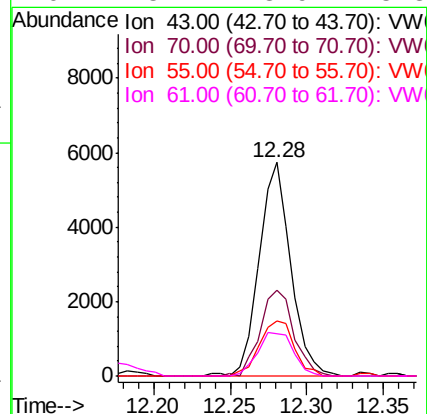
Ion Ratio Lower Upper

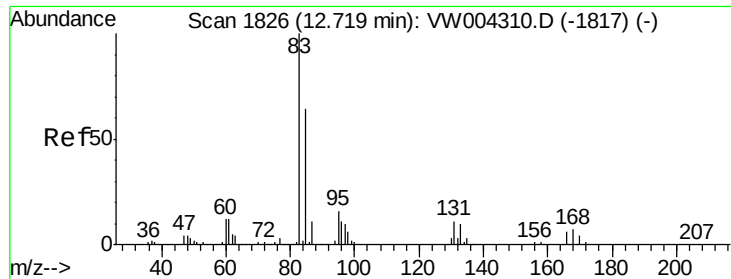
43 100

70 42.7 34.2 51.4

55 28.5 21.8 32.8

61 23.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 4.62 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

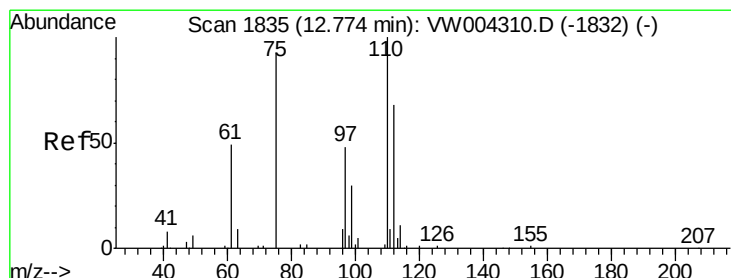
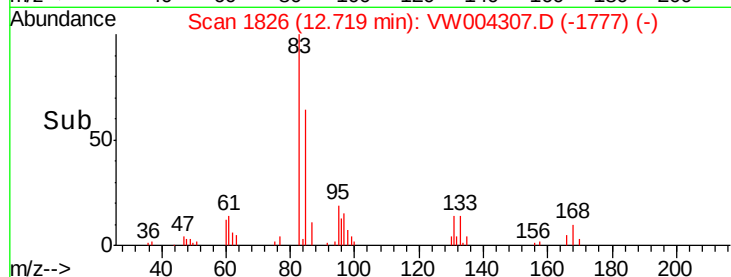
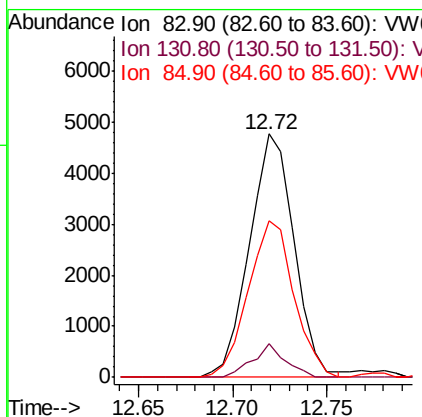
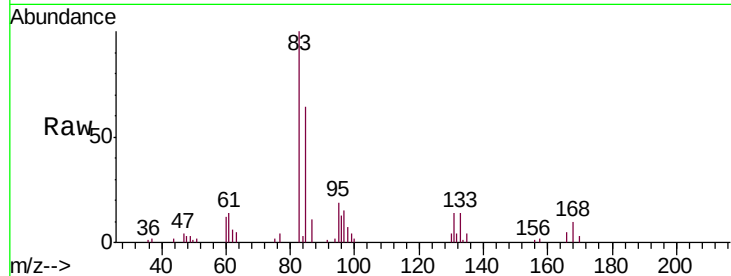
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	7818
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.5	16.4
85	65.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 3.10 ug/l m

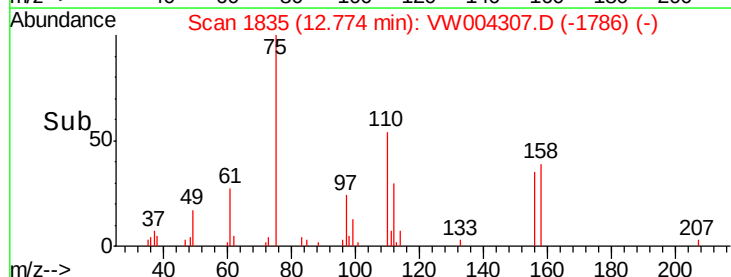
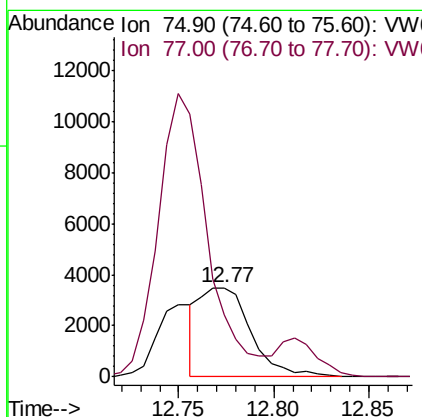
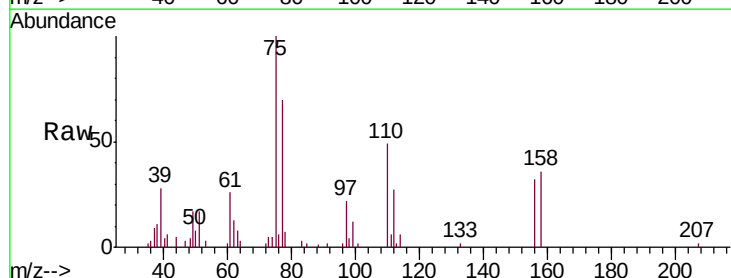
RT: 12.77 min Scan# 1835

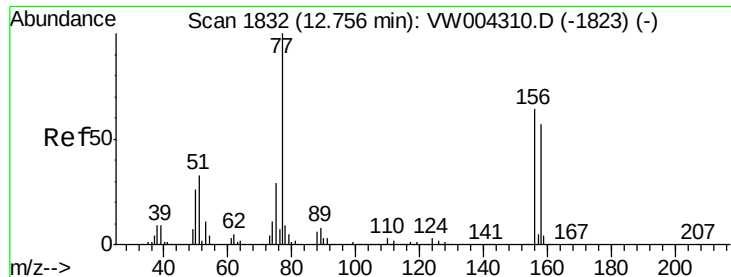
Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	75	Resp:	6567
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.15 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

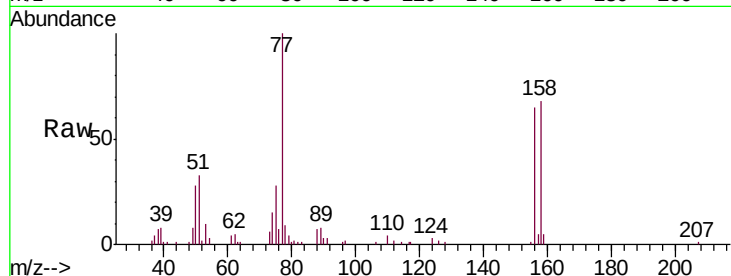
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.3	92.9	278.7
158	100.1	47.6	142.8

Manual Integrations
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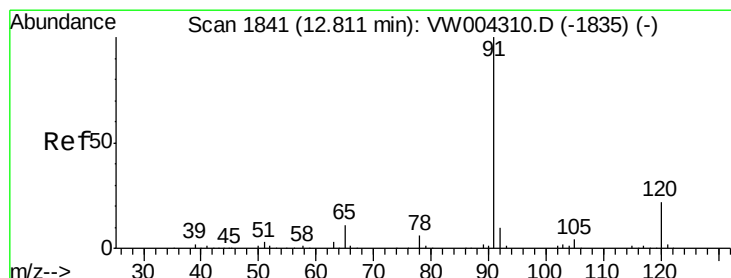
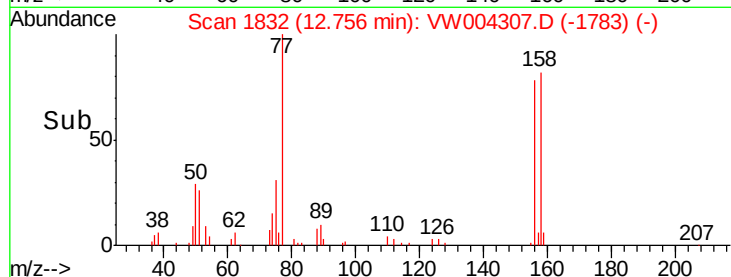
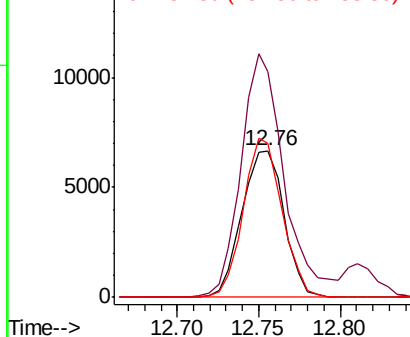


Abundance

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: 4.70 ug/l

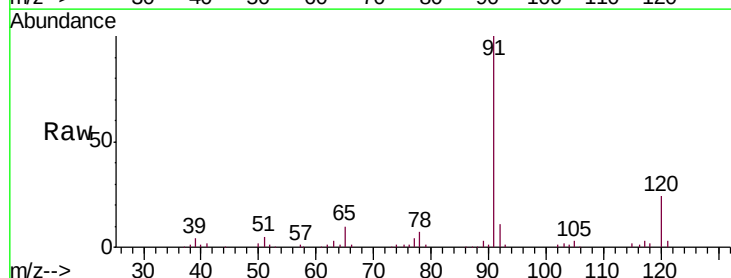
RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

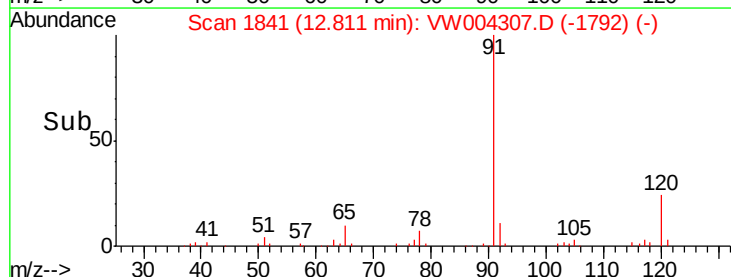
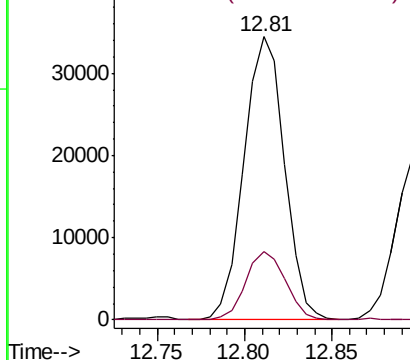
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.3	33.8

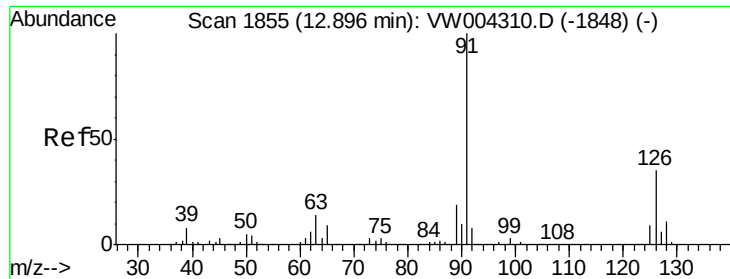


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.97 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 33459

Ion Ratio Lower Upper

91 100

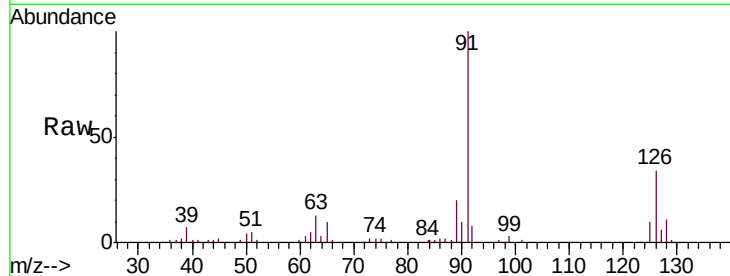
126 35.1 17.1 51.2

Manual Integrations

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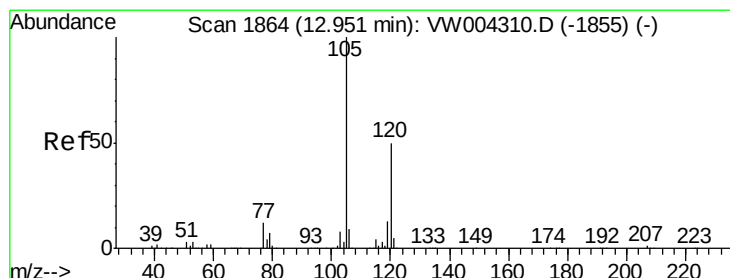
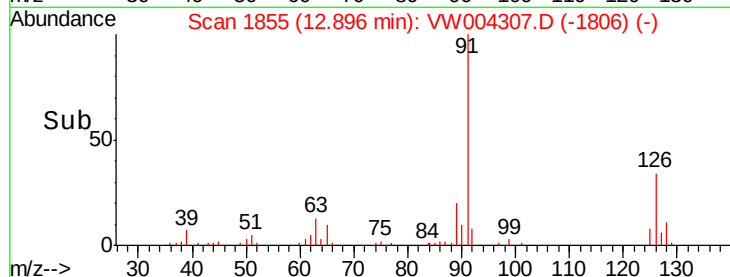
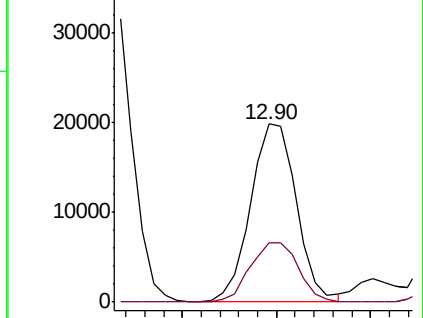
apatel

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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: 4.81 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004307.D

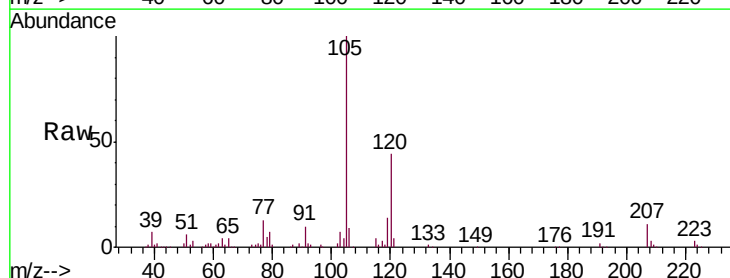
Acq: 29 Jul 2018 11:46

Tgt Ion:105 Resp: 40033

Ion Ratio Lower Upper

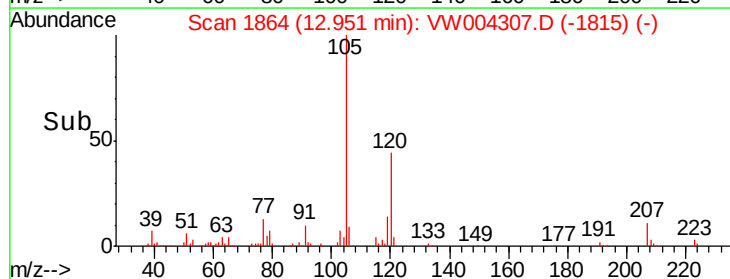
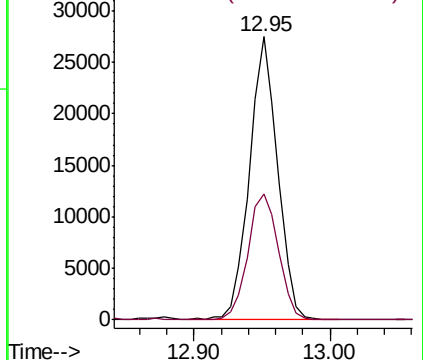
105 100

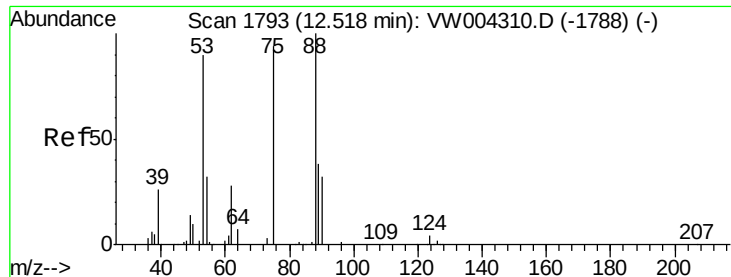
120 48.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





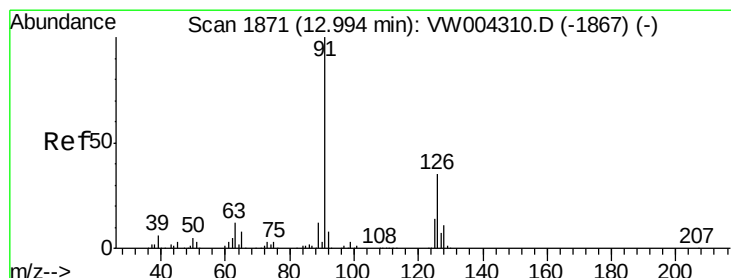
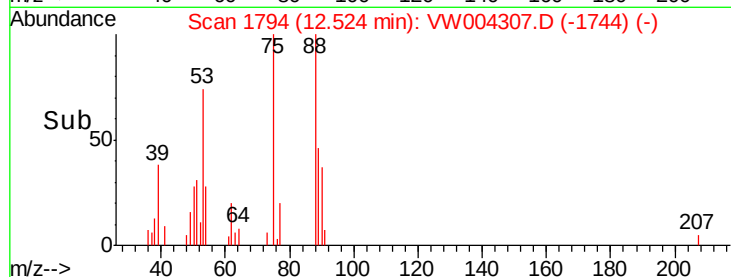
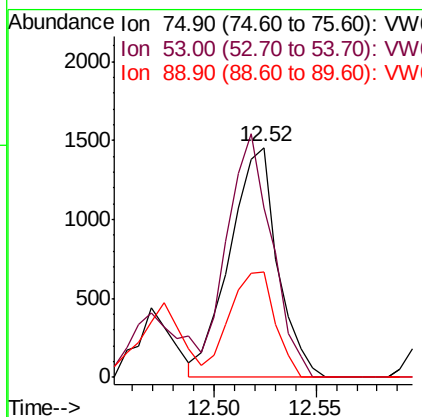
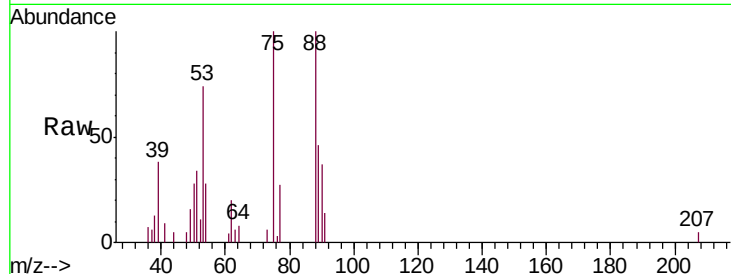
#81
trans-1,4-Dichloro-2-butene
Concen: 4.35 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	77.6	116.4
89	43.5	36.0	54.0

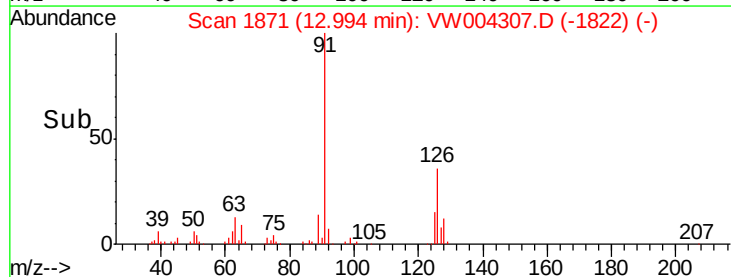
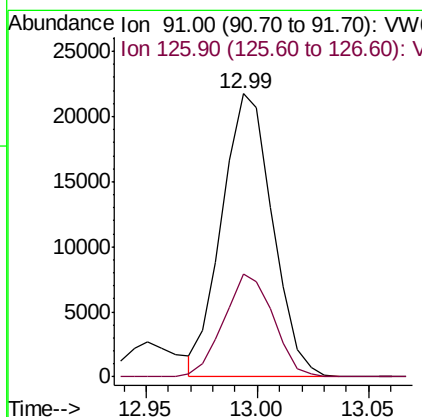
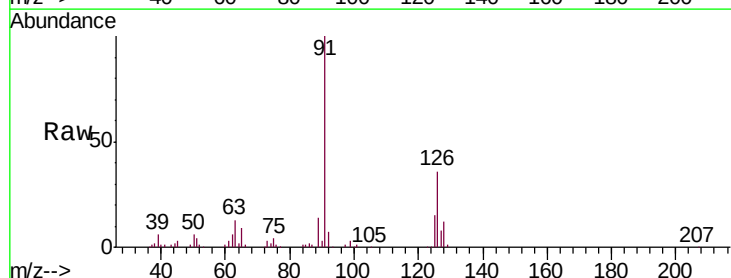
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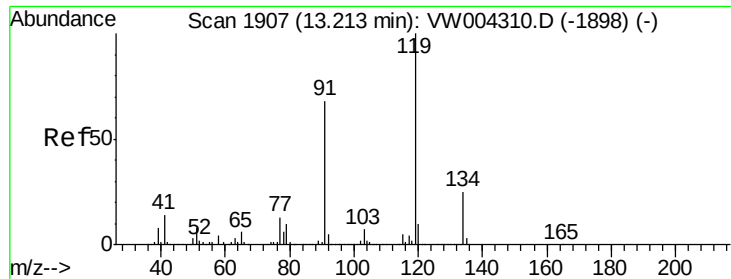
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#82
4-Chlorotoluene
Concen: 4.85 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.4	52.3





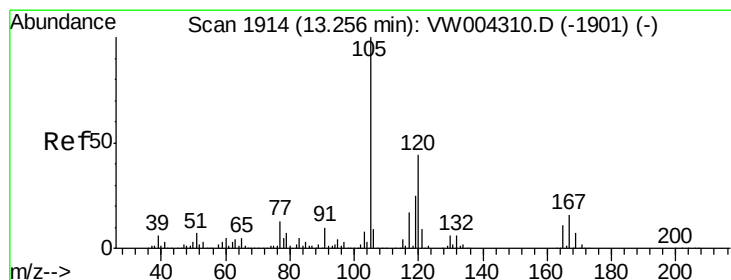
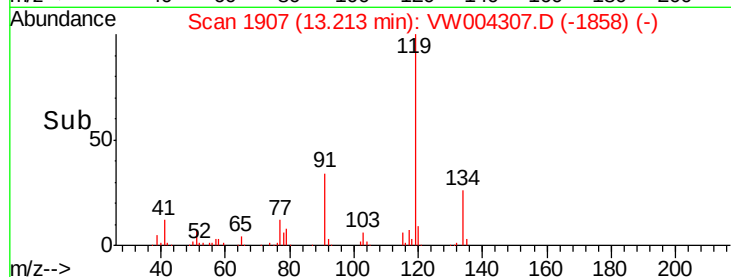
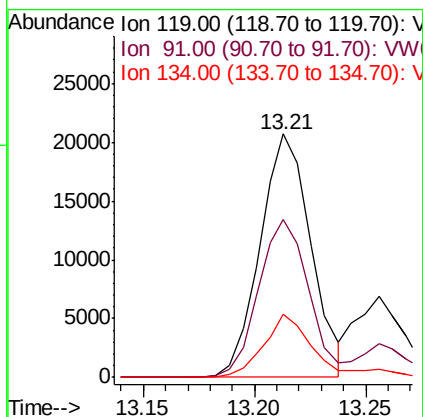
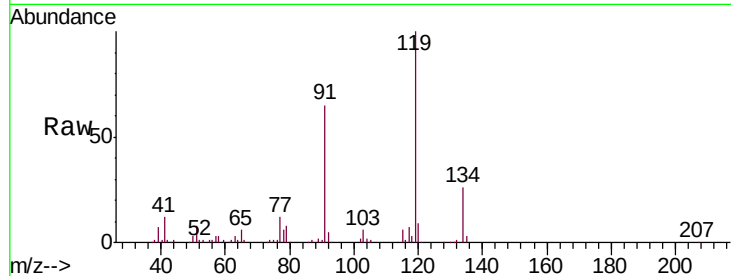
#83
tert-Butylbenzene
Concen: 4.74 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.8	98.3
134	24.1	12.2	36.6

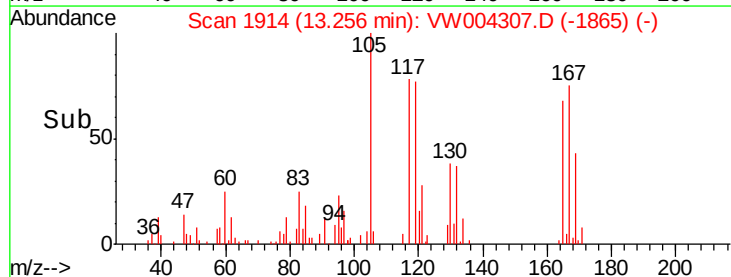
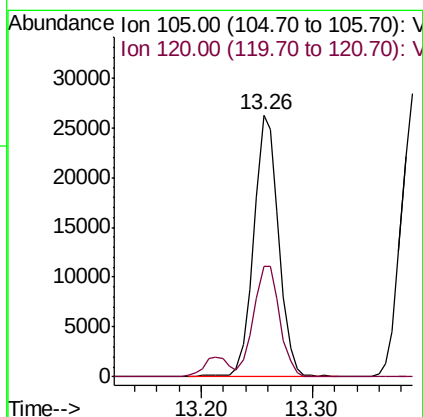
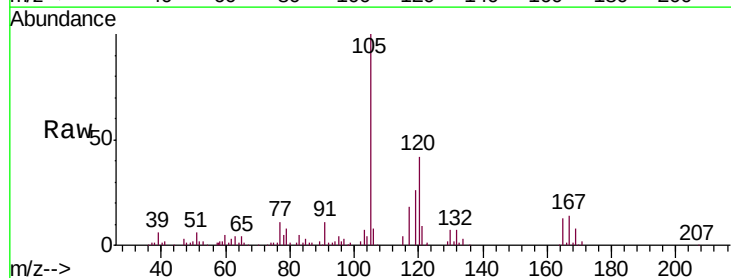
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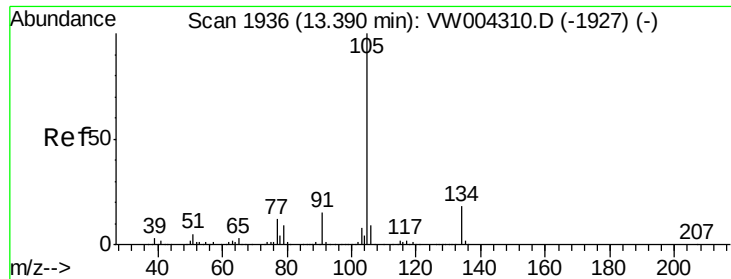
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#84
1,2,4-Trimethylbenzene
Concen: 4.82 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.7	68.0





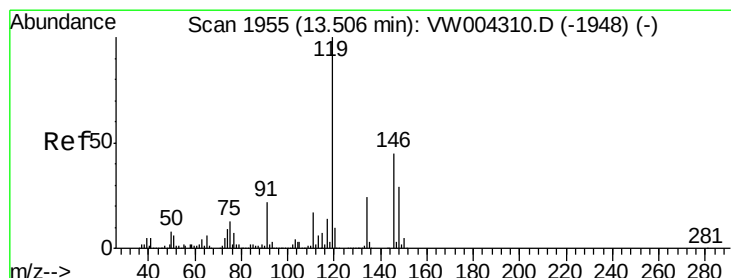
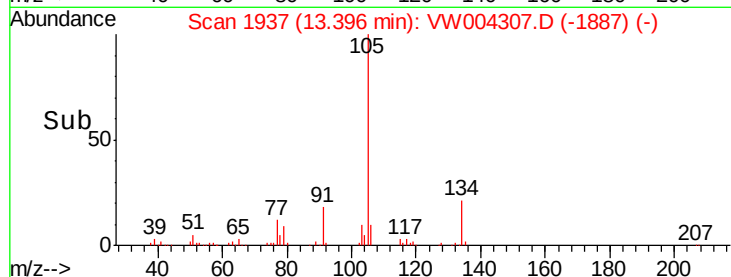
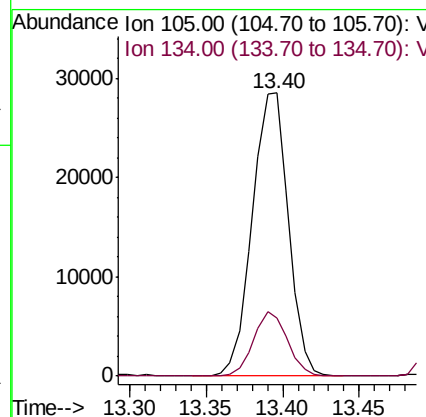
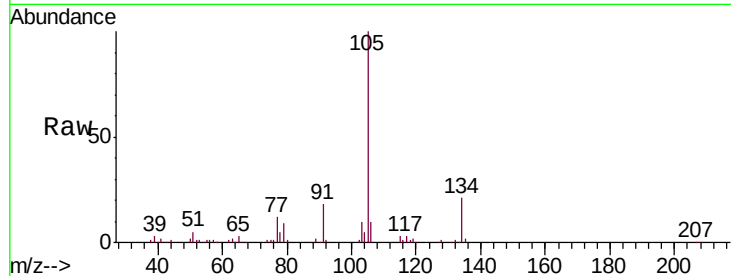
#85
 sec-Butylbenzene
 Concen: 4.64 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	9.6	28.8

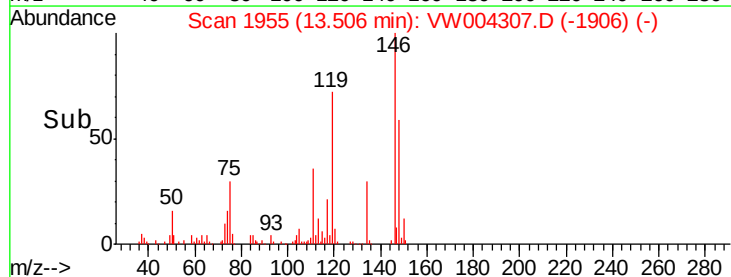
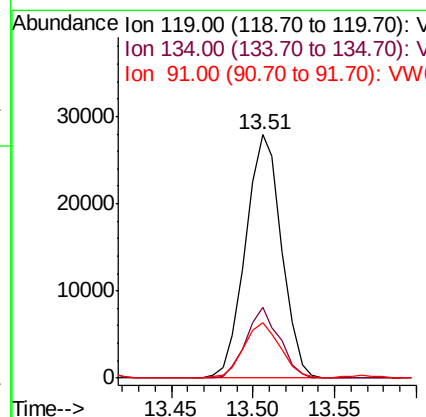
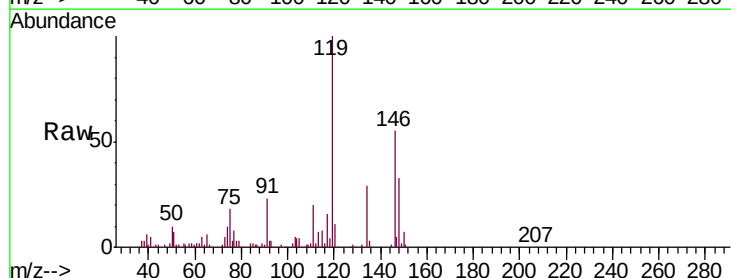
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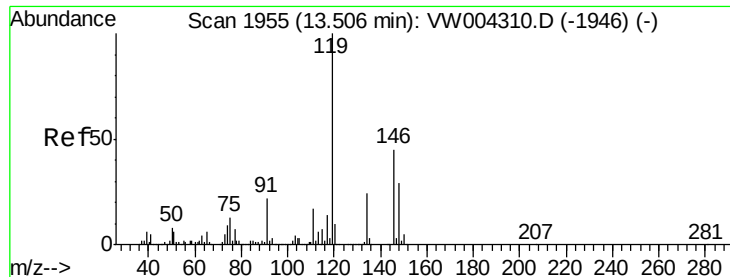
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#86
 p-Isopropyltoluene
 Concen: 4.73 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.6	37.8
91	23.1	11.3	33.9





#87

1,3-Dichlorobenzene

Concen: 5.30 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

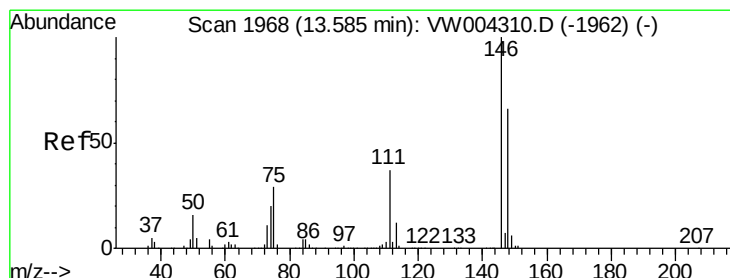
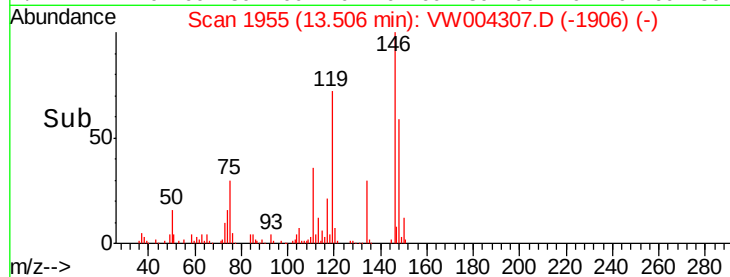
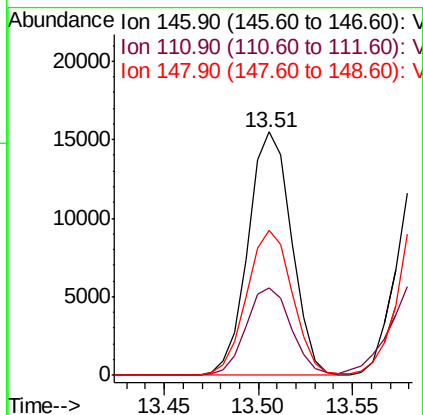
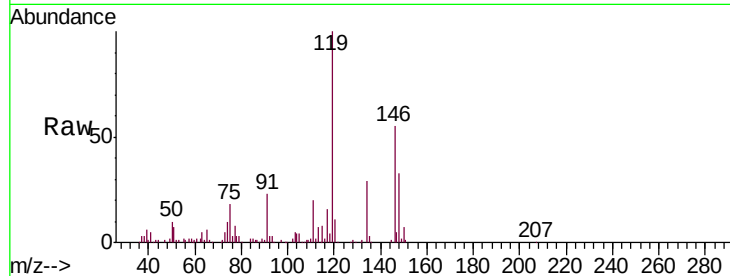
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	24723
Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.9	59.6
148	62.7	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.29 ug/l

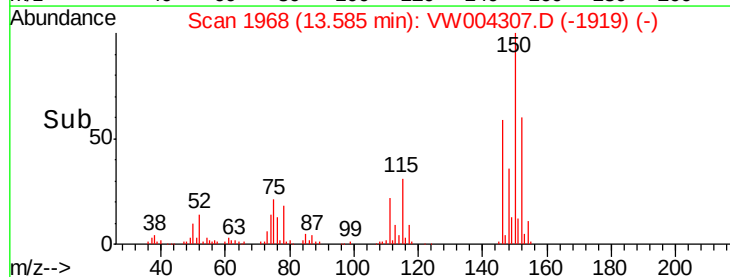
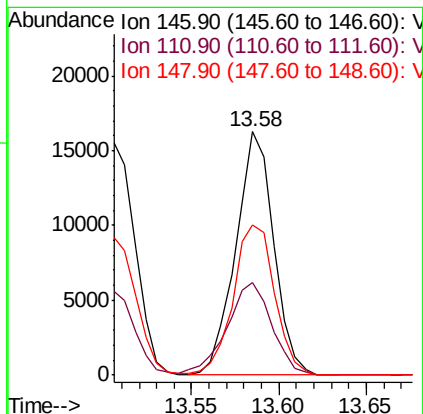
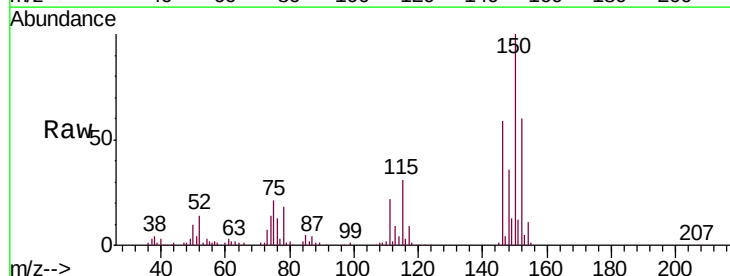
RT: 13.58 min Scan# 1968

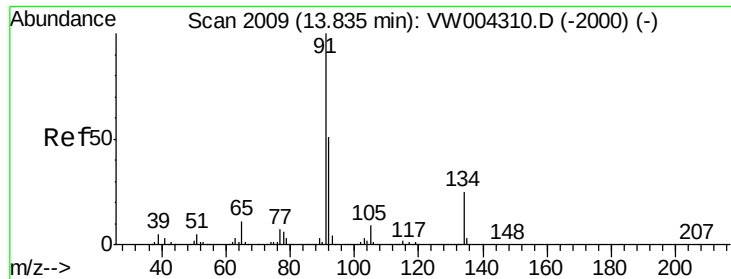
Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	146	Resp:	24633
Ion	Ratio	Lower	Upper
146	100		
111	45.0	19.4	58.1
148	67.6	32.8	98.3





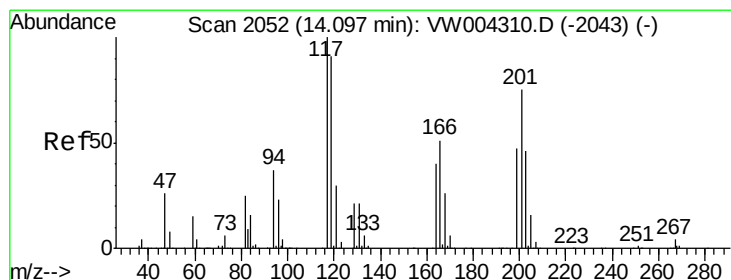
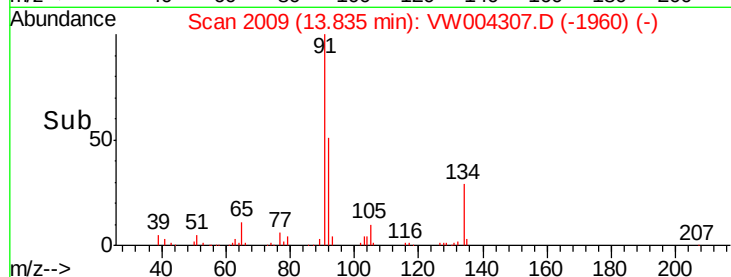
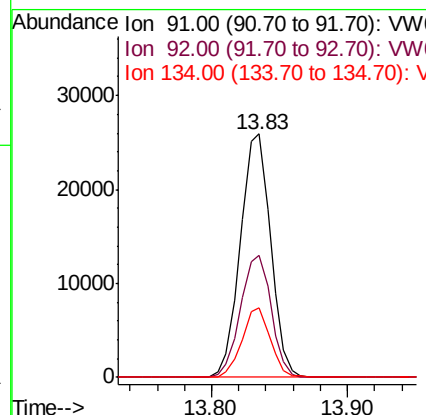
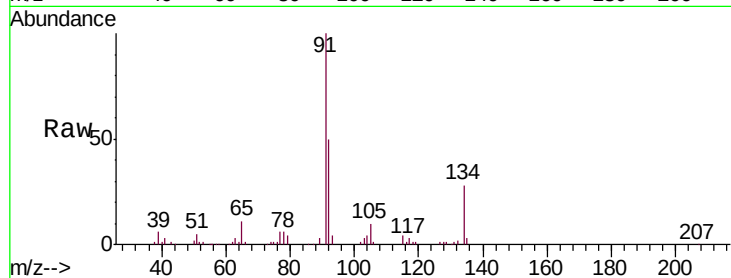
#89
n-Butylbenzene
Concen: 4.75 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.4	79.2
134	26.6	12.9	38.6

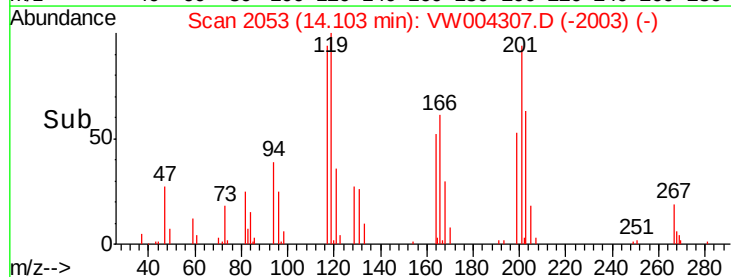
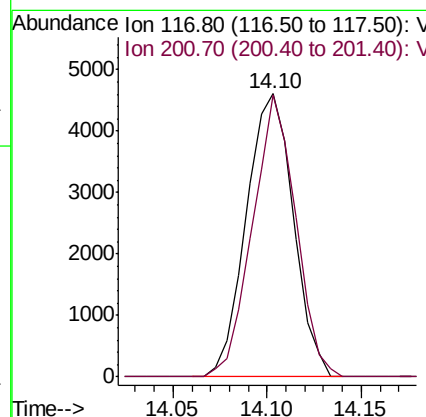
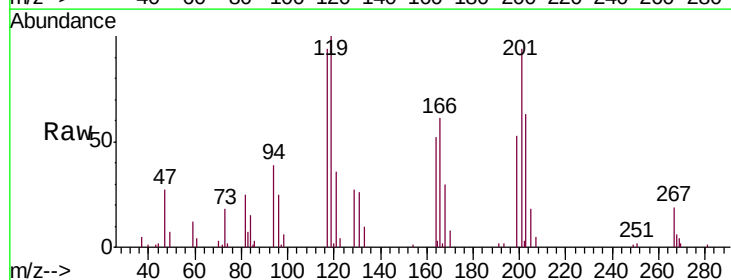
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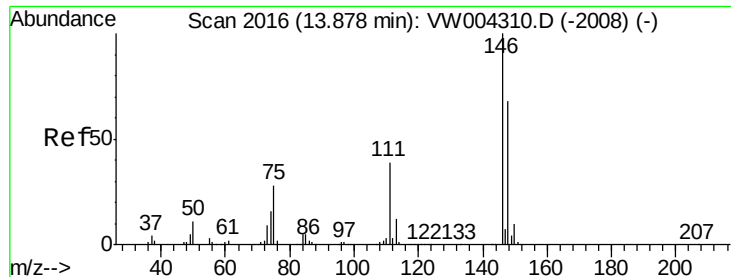
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#90
Hexachloroethane
Concen: 4.91 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW004307.D
Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	41.5	124.5





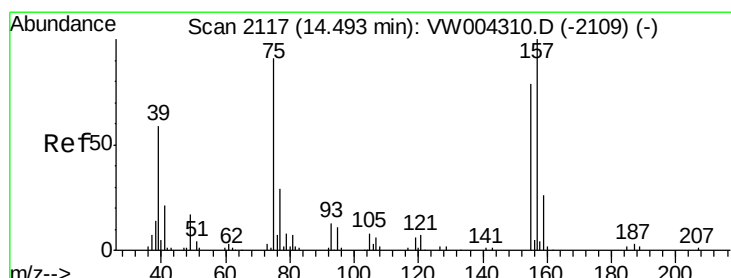
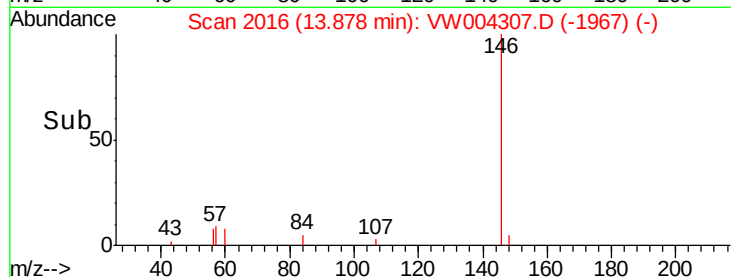
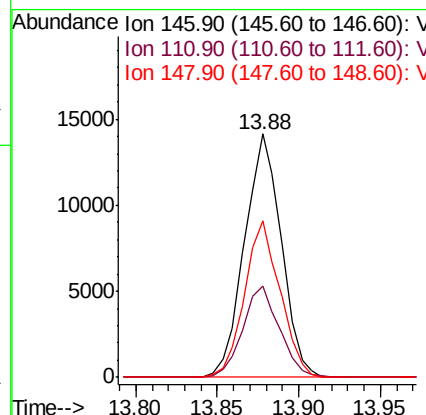
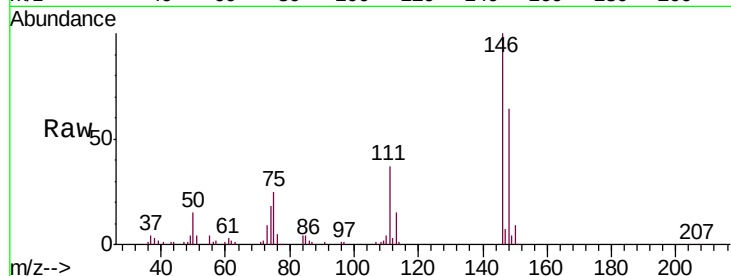
#91
 1,2-Dichlorobenzene
 Concen: 5.30 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.1
148	62.4	32.0	96.0

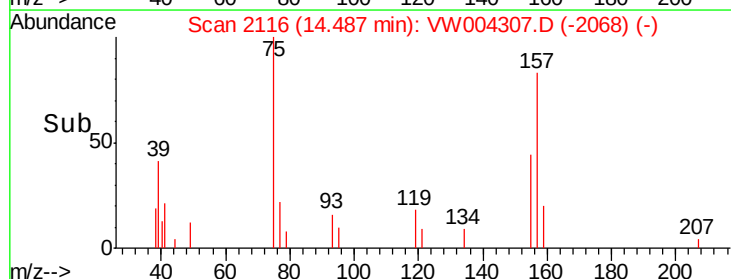
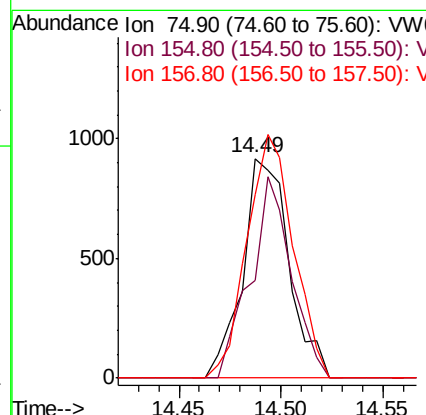
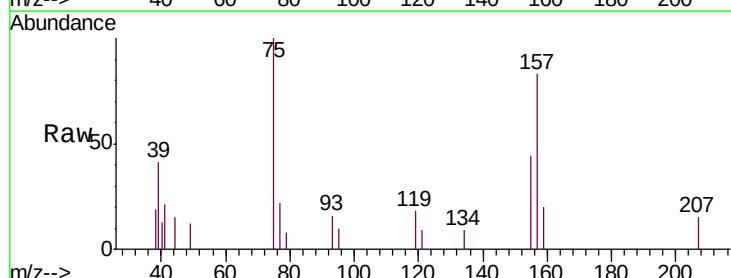
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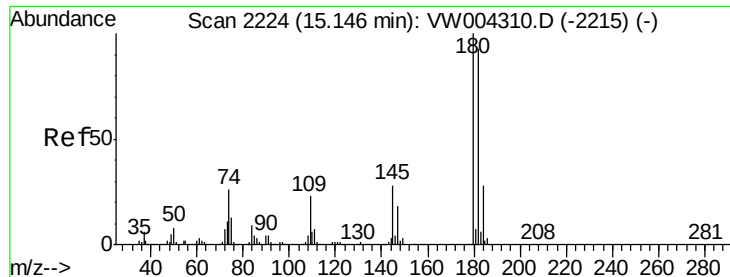
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.91 ug/l
 RT: 14.49 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VW004307.D
 Acq: 29 Jul 2018 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	41.4	124.4
157	111.0	55.2	165.6





#93

1,2,4-Trichlorobenzene

Concen: 5.05 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

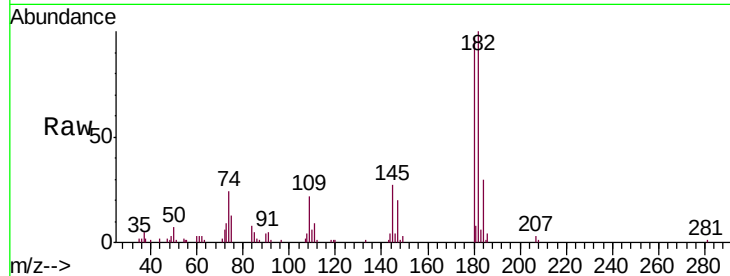
ClientSampleId :

VSTDIC005

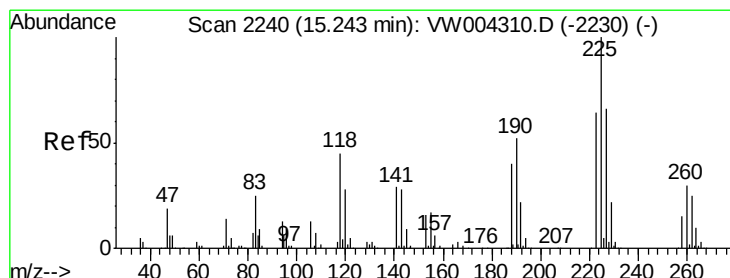
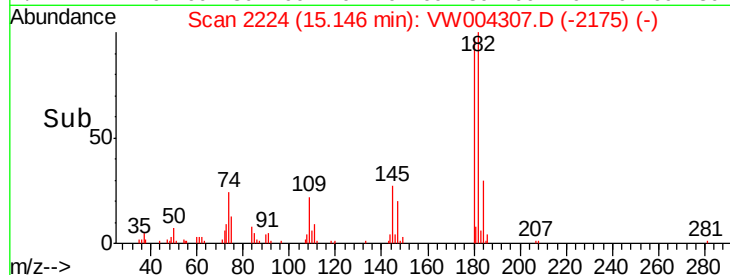
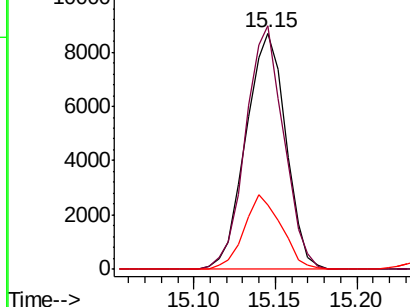
Tot Ion:	180	Resp:	14809
Ion Ratio	Lower	Upper	
180	100		
182	98.6	47.3	141.8
145	29.6	14.8	44.4

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



#94

Hexachlorobutadiene

Concen: 5.32 ug/l

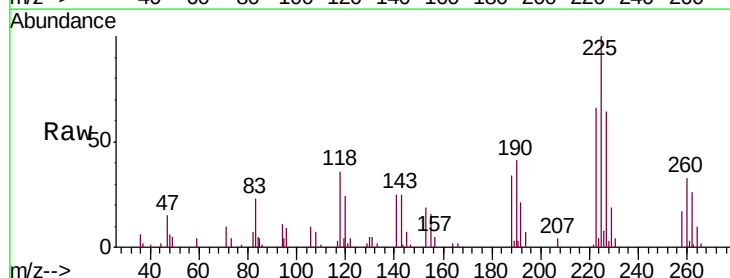
RT: 15.25 min Scan# 2241

Delta R.T. 0.01 min

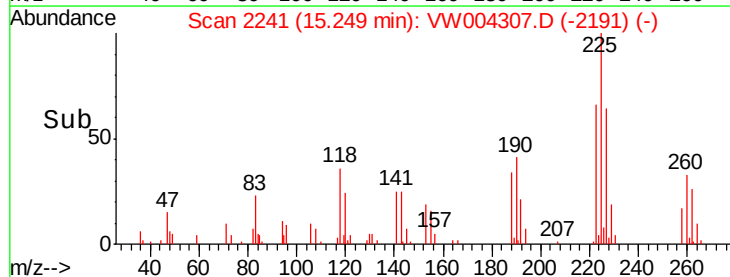
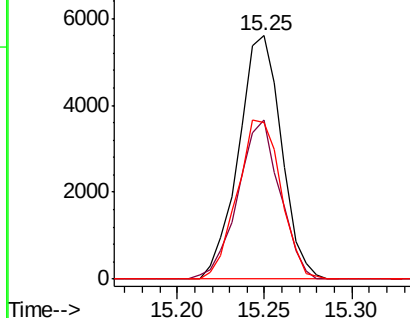
Lab File: VW004307.D

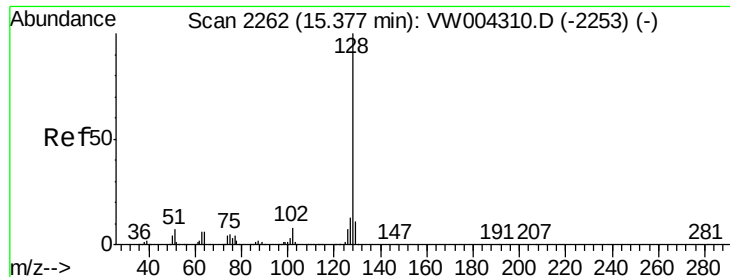
Acq: 29 Jul 2018 11:46

Tgt Ion:	225	Resp:	9538
Ion Ratio	Lower	Upper	
225	100		
223	64.2	31.0	93.0
227	66.8	32.6	97.7



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





#95

Naphthalene

Concen: 4.54 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Instrument :

MSVOA_W

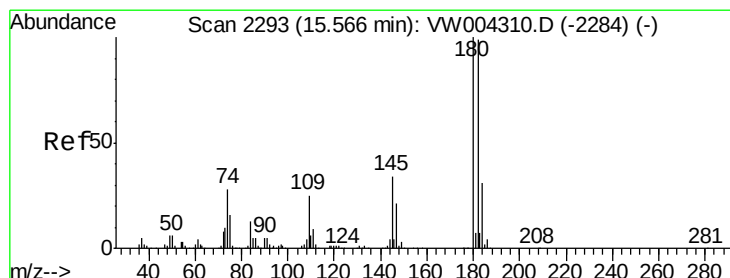
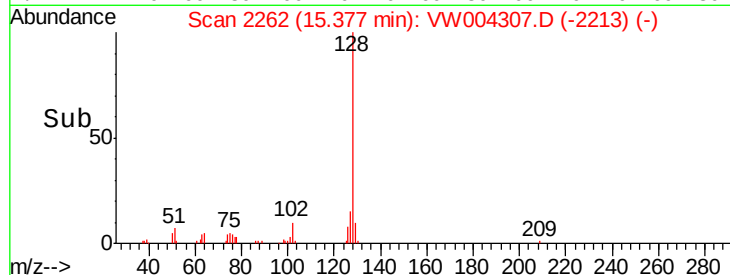
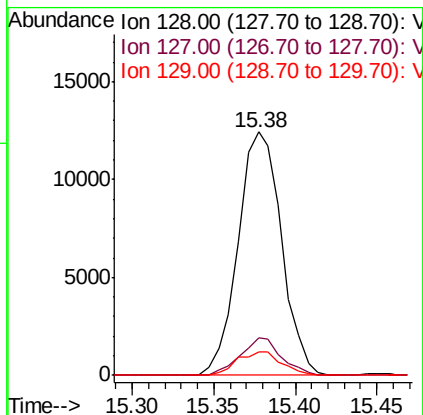
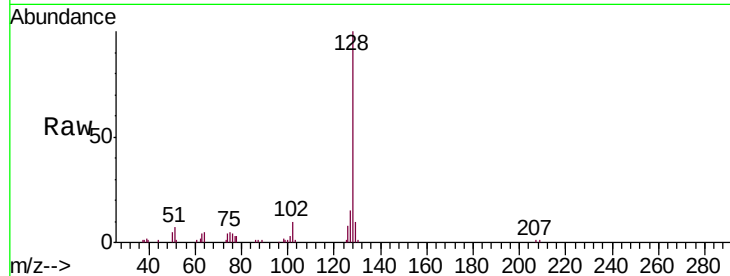
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	22899
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.4	15.6
129	9.9	8.6	13.0

Manual Integrations
APPROVED

apatel
7/30/2018 10:32:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.09 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004307.D

Acq: 29 Jul 2018 11:46

Tgt Ion:	180	Resp:	13058
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.0
145	29.7	16.2	48.5

