

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004736.D
 Acq On : 17 Aug 2018 16:20
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
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apatel
 8/20/2018 9:53:42 AM

Quant Time: Aug 18 01:32:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	695311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1057243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1001531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	539492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	64683	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
35) Dibromofluoromethane	7.88	113	65161	9.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.28%	
50) Toluene-d8	10.33	98	248698	9.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.86%	
62) 4-Bromofluorobenzene	12.62	95	88693	9.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	47530	10.32	ug/l	99
3) Chloromethane	2.21	50	61074	10.14	ug/l	97
4) Vinyl Chloride	2.37	62	92575	10.44	ug/l	94
5) Bromomethane	2.78	94	57009	10.41	ug/l	98
6) Chloroethane	2.92	64	52574	9.83	ug/l	99
7) Trichlorofluoromethane	3.25	101	42677	10.22	ug/l	97
8) Diethyl Ether	3.68	74	39476	10.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	75131	10.45	ug/l	99
10) Methyl Iodide	4.26	142	110631	10.13	ug/l	100
11) Tert butyl alcohol	5.22	59	18453	48.75	ug/l	100
12) 1,1-Dichloroethene	4.03	96	74710	10.43	ug/l	99
13) Acrolein	3.89	56	25959	51.51	ug/l	97
14) Allyl chloride	4.67	41	107806	9.91	ug/l	100
15) Acrylonitrile	5.37	53	79890	50.46	ug/l	99
16) Acetone	4.14	43	93220	54.32	ug/l	95
17) Carbon Disulfide	4.37	76	240880	10.23	ug/l	99
18) Methyl Acetate	4.68	43	36775	10.00	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	91467	9.83	ug/l	96
20) Methylene Chloride	4.91	84	107952	11.53	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	78205	10.26	ug/l	97
22) Diisopropyl ether	6.31	45	210070	10.05	ug/l	96
23) Vinyl Acetate	6.26	43	561312	47.48	ug/l	99
24) 1,1-Dichloroethane	6.21	63	140340	10.33	ug/l	99
25) 2-Butanone	7.18	43	122926	50.28	ug/l	98
26) 2,2-Dichloropropane	7.17	77	84650	10.79	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	82843	10.09	ug/l	98
28) Bromochloromethane	7.51	49	57354	10.03	ug/l	99
29) Tetrahydrofuran	7.54	42	60560	48.57	ug/l	98
30) Chloroform	7.68	83	139801	10.47	ug/l	100
31) Cyclohexane	7.96	56	135631	10.32	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	109725	10.36	ug/l	100
36) 1,1-Dichloropropene	8.09	75	110568	10.15	ug/l	100
37) Ethyl Acetate	7.26	43	44466	10.24	ug/l	99
38) Carbon Tetrachloride	8.07	117	102086	10.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	130877	9.61	ug/l	100
40) Benzene	8.32	78	324619	10.26	ug/l	99
41) Methacrylonitrile	7.49	41	22651	9.19	ug/l	91
42) 1,2-Dichloroethane	8.40	62	83053	10.23	ug/l	100
43) Isopropyl Acetate	8.43	43	73100	9.37	ug/l	98
44) Trichloroethene	9.09	130	81176	10.10	ug/l	99
45) 1,2-Dichloropropane	9.37	63	78307	10.11	ug/l	100
46) Dibromomethane	9.46	93	40175	10.47	ug/l	98
47) Bromodichloromethane	9.65	83	91196	9.96	ug/l	99
48) Methyl methacrylate	9.44	41	34461	9.42	ug/l	99
49) 1,4-Dioxane	9.48	88	10801	192.74	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	256737	48.71	ug/l	99
52) Toluene	10.39	92	195264	10.29	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	90484	9.80	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	107743	9.79	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	55934	10.26	ug/l	97
56) Ethyl methacrylate	10.65	69	58605	9.10	ug/l	99
57) 1,3-Dichloropropane	10.94	76	96348	10.24	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	144155	47.87	ug/l	99
59) 2-Hexanone	10.98	43	171711	48.08	ug/l	98
60) Dibromochloromethane	11.13	129	61508	10.05	ug/l	98
61) 1,2-Dibromoethane	11.24	107	53504	10.27	ug/l	99
64) Tetrachloroethene	10.87	164	70019	10.23	ug/l	98
65) Chlorobenzene	11.66	112	219897	10.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	72945	10.02	ug/l	98
67) Ethyl Benzene	11.74	91	358914	9.82	ug/l	100
68) m/p-Xylenes	11.85	106	280593	19.74	ug/l	99
69) o-Xylene	12.17	106	125856	9.56	ug/l	99
70) Styrene	12.19	104	211784	9.58	ug/l	100
71) Bromoform	12.35	173	38252	9.96	ug/l #	98
73) Isopropylbenzene	12.47	105	352671	9.61	ug/l	100
74) N-amyl acetate	12.28	43	69551	9.04	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	69131	10.17	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	54188m	6.78	ug/l	
77) Bromobenzene	12.75	156	88569	9.97	ug/l	99
78) n-propylbenzene	12.81	91	432383	9.65	ug/l	100
79) 2-Chlorotoluene	12.90	91	255080	9.88	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	306123	9.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	18669	9.12	ug/l	93
82) 4-Chlorotoluene	12.99	91	277213	10.11	ug/l	100
83) tert-Butylbenzene	13.21	119	251336	9.42	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	312777	9.75	ug/l	99
85) sec-Butylbenzene	13.39	105	389243	9.78	ug/l	99
86) p-Isopropyltoluene	13.51	119	336127	9.70	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	182843	10.12	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	186243	10.31	ug/l	98
89) n-Butylbenzene	13.83	91	319679	9.54	ug/l	99
90) Hexachloroethane	14.10	117	61514	9.74	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	164314	10.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10280	9.67	ug/l	99

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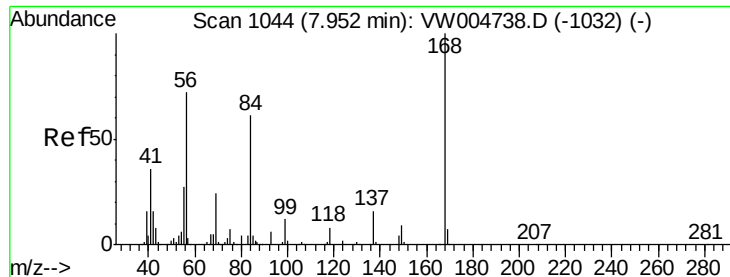
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	109601	9.55	ug/l	98
94) Hexachlorobutadiene	15.25	225	71521	10.15	ug/l	99
95) Naphthalene	15.38	128	175690	8.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	98346	9.66	ug/l	100

(#) = 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: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 695311

Ion Ratio Lower Upper

168 100

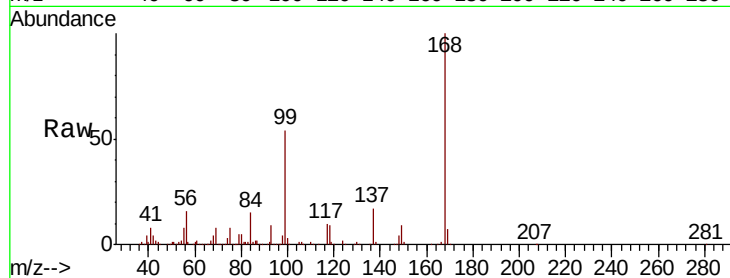
99 53.9 41.0 61.4

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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

300000

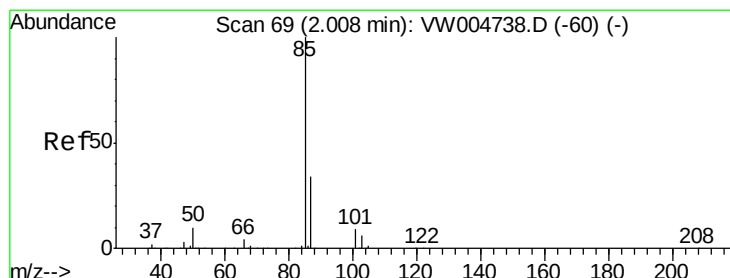
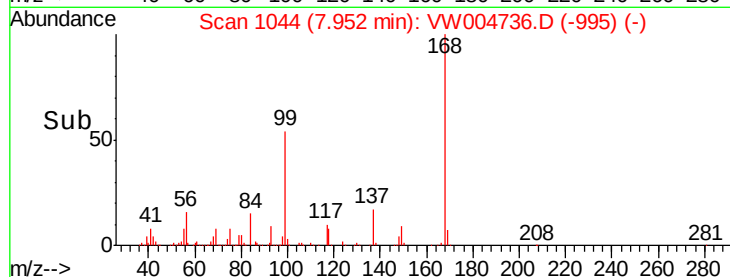
200000

100000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 10.32 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004736.D

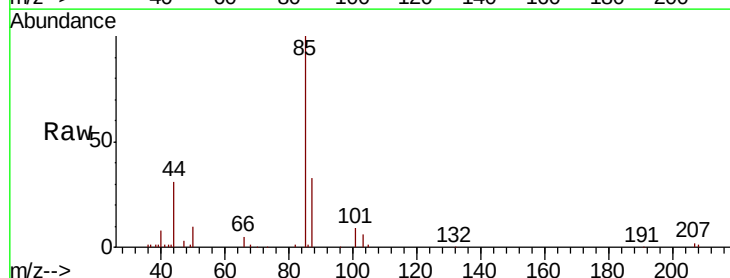
Acq: 17 Aug 2018 16:20

Tgt Ion: 85 Resp: 47530

Ion Ratio Lower Upper

85 100

87 32.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

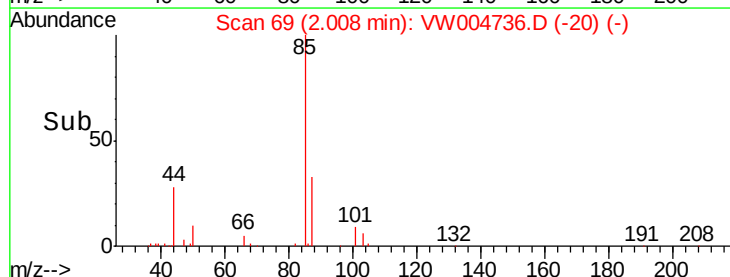
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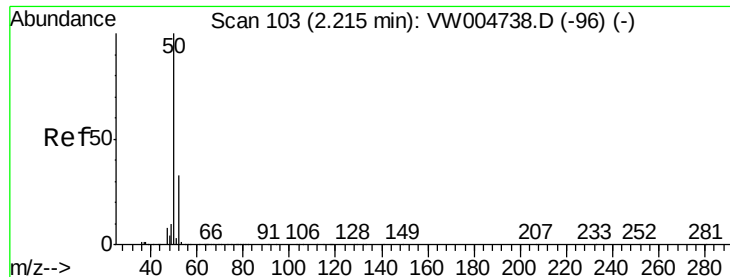
5000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 10.14 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 61074

Ion Ratio Lower Upper

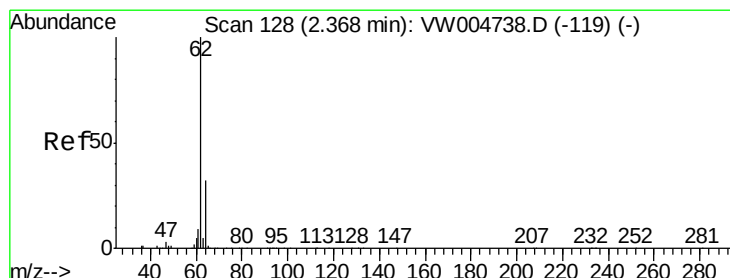
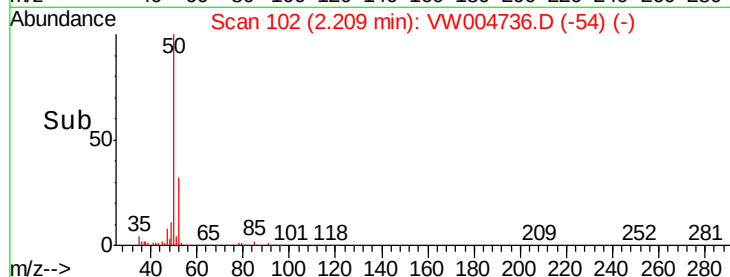
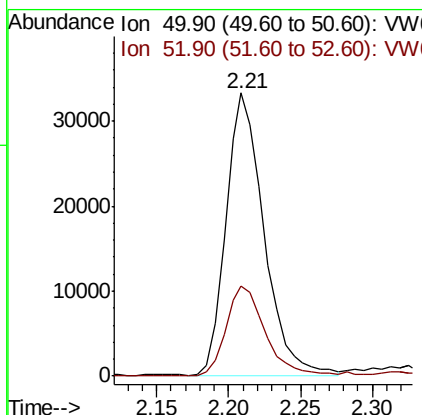
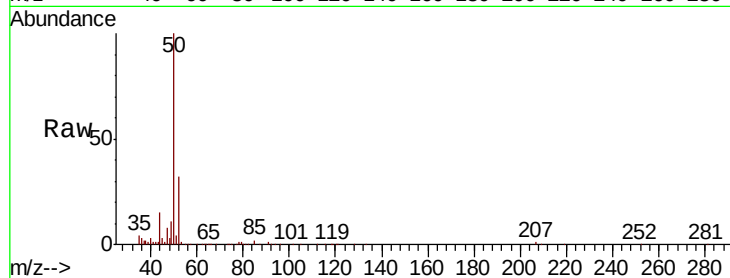
50 100

52 31.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 10.44 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004736.D

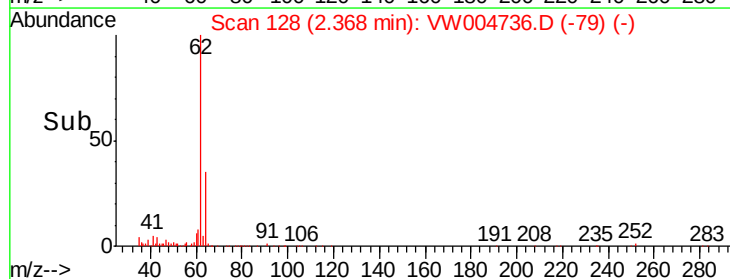
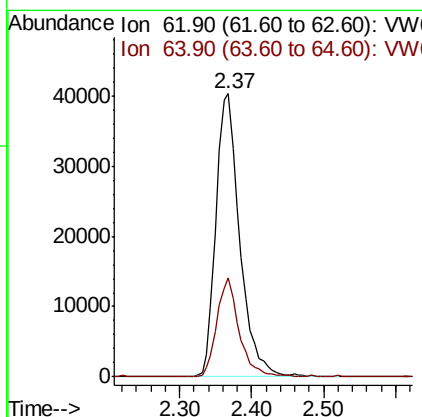
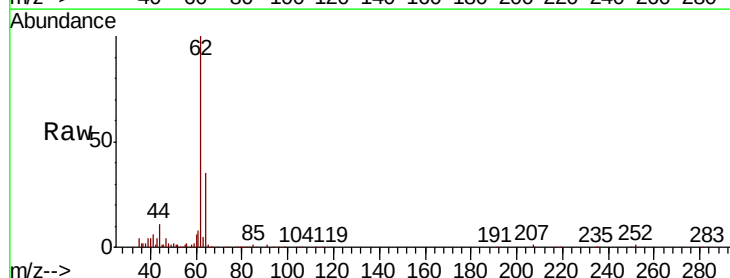
Acq: 17 Aug 2018 16:20

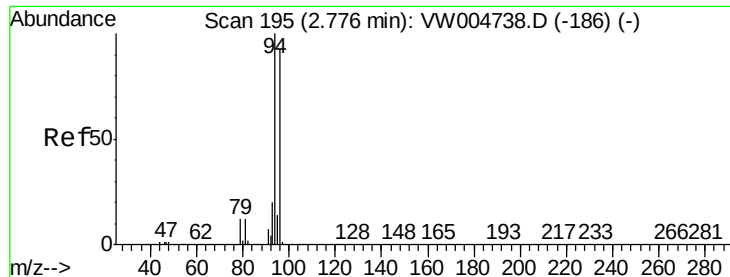
Tgt Ion: 62 Resp: 92575

Ion Ratio Lower Upper

62 100

64 34.9 25.2 37.8





#5

Bromomethane

Concen: 10.41 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 57009

Ion Ratio Lower Upper

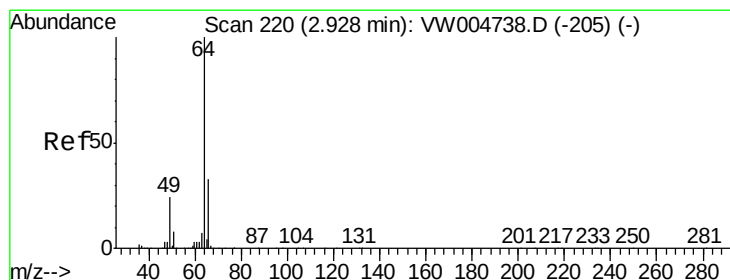
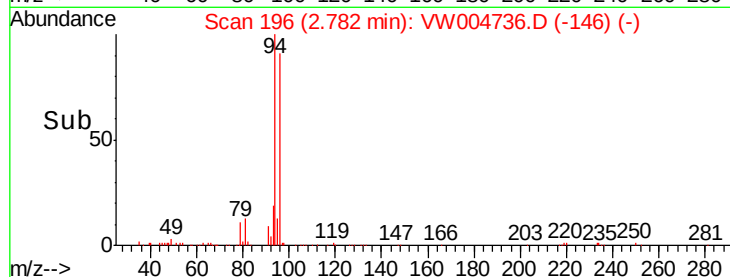
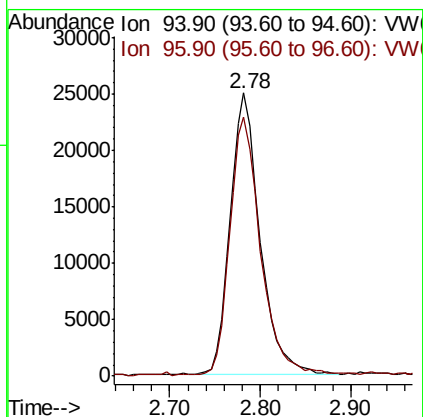
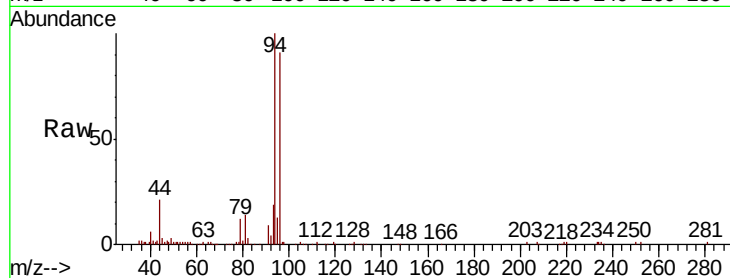
94 100

96 91.0 74.3 111.5

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#6

Chloroethane

Concen: 9.83 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004736.D

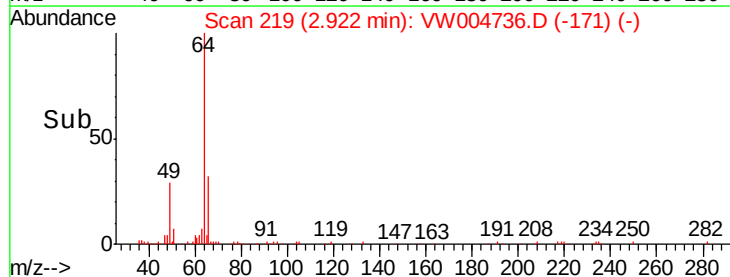
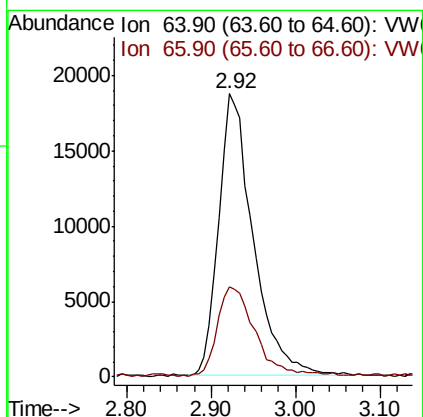
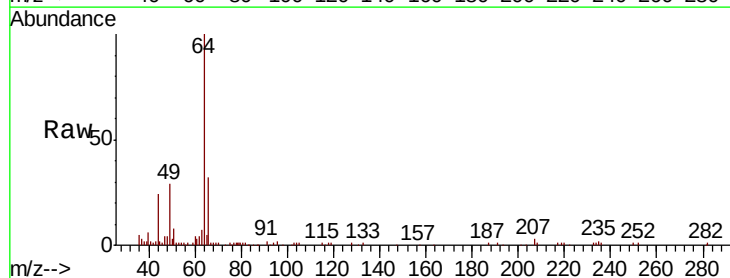
Acq: 17 Aug 2018 16:20

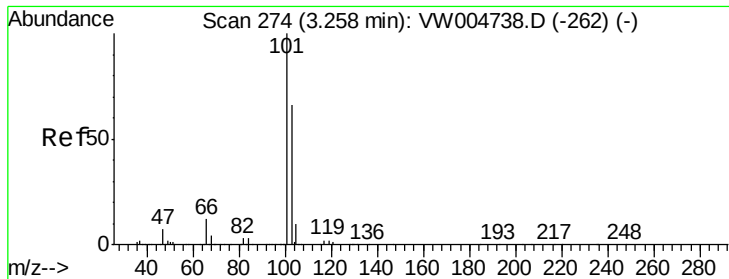
Tgt Ion: 64 Resp: 52574

Ion Ratio Lower Upper

64 100

66 31.8 26.1 39.1





#7

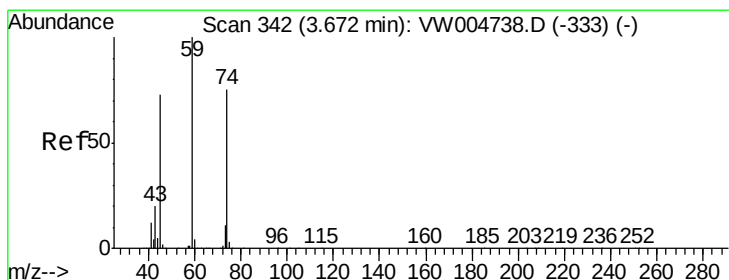
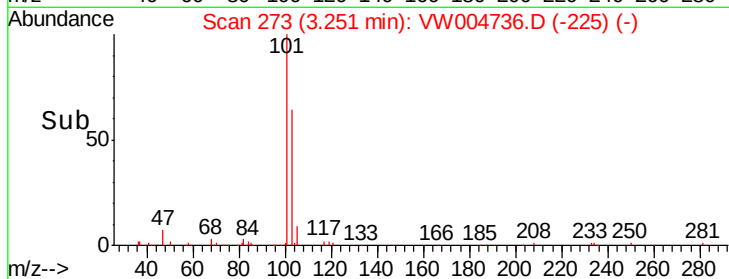
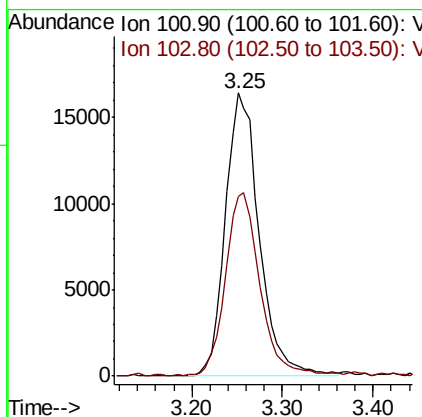
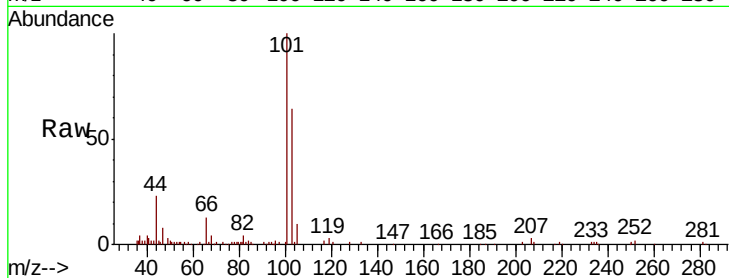
Trichlorofluoromethane
Concen: 10.22 ug/l
RT: 3.25 min Scan# 273
Delta R.T. -0.01 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

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ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.5	78.7

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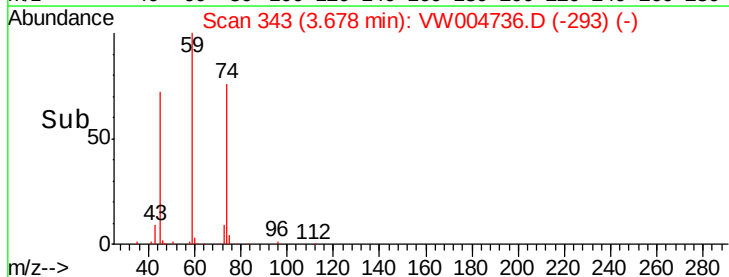
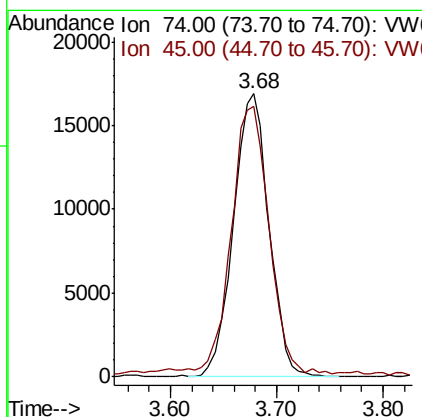
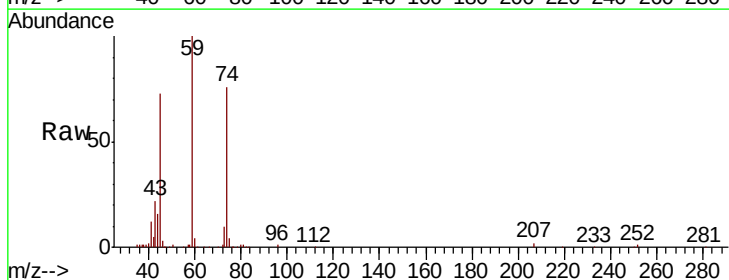
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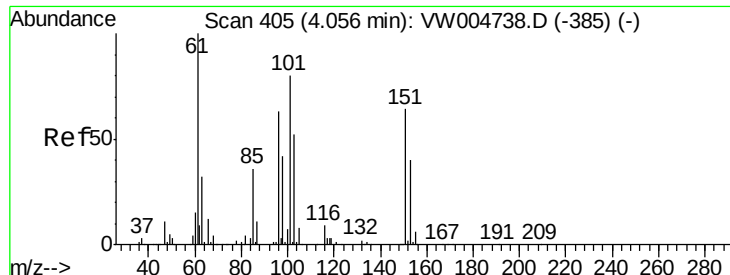


#8

Diethyl Ether
Concen: 10.46 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.45 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

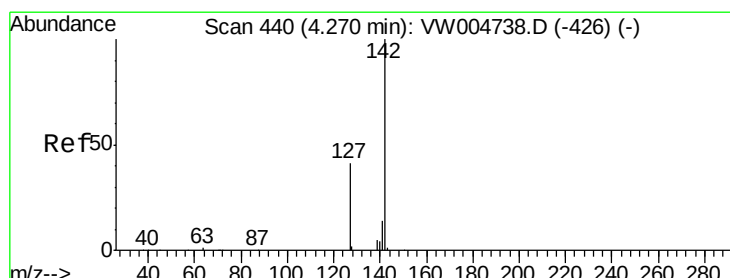
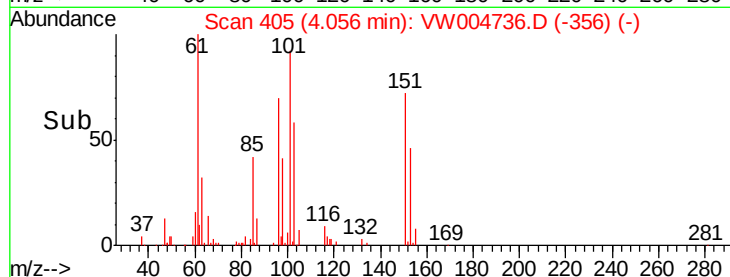
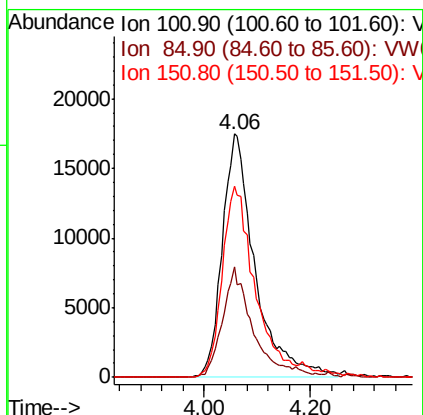
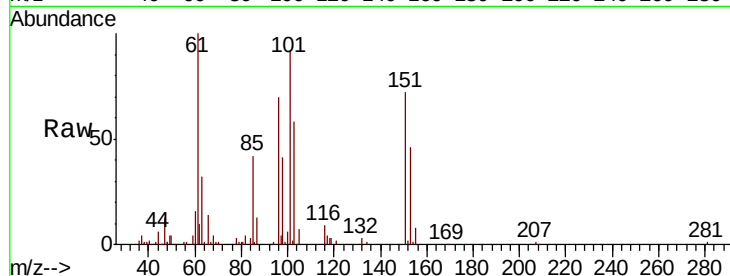
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	75131
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.9	50.9
151	77.9	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 10.13 ug/l

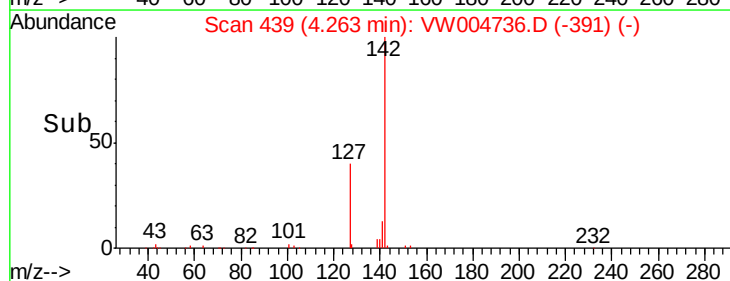
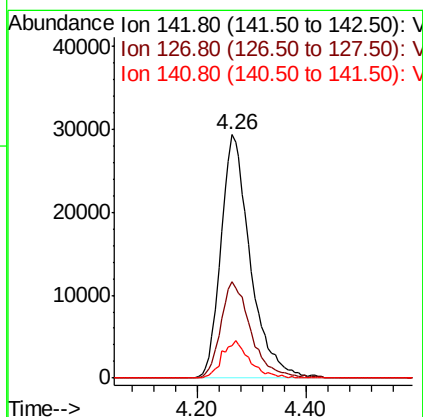
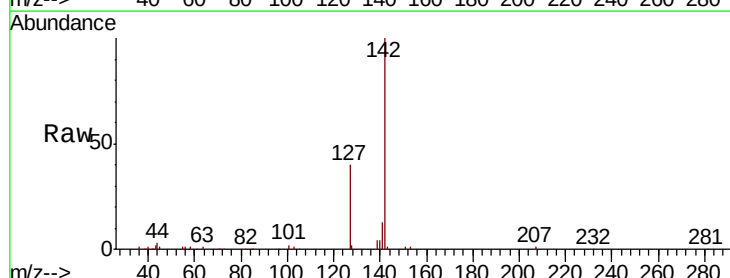
RT: 4.26 min Scan# 439

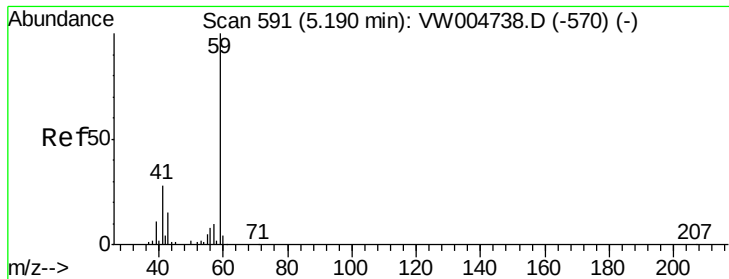
Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion:	142	Resp:	110631
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.1	48.1
141	14.4	11.7	17.5





#11

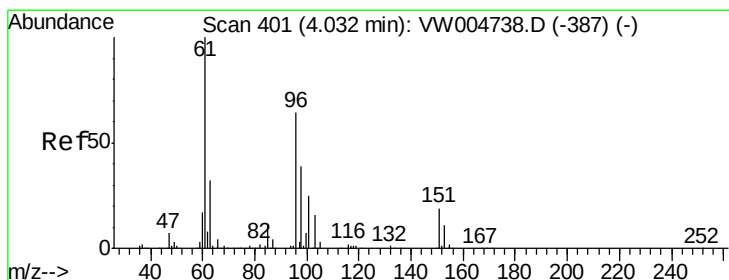
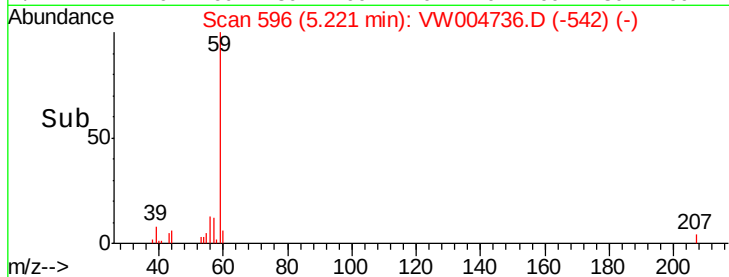
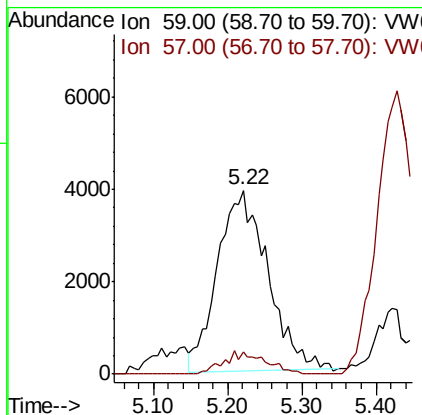
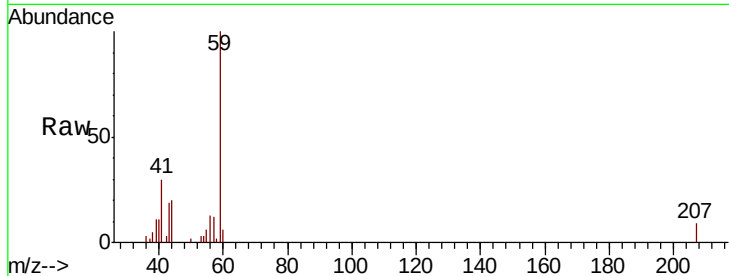
Tert butyl alcohol
 Concen: 48.75 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

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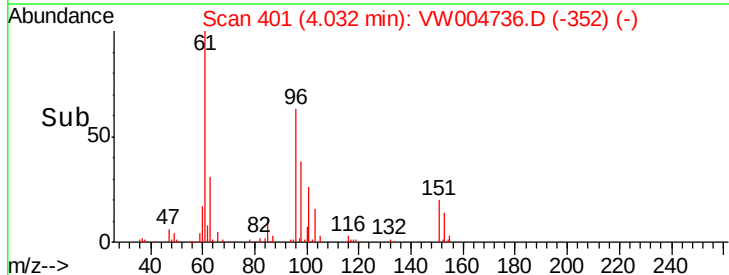
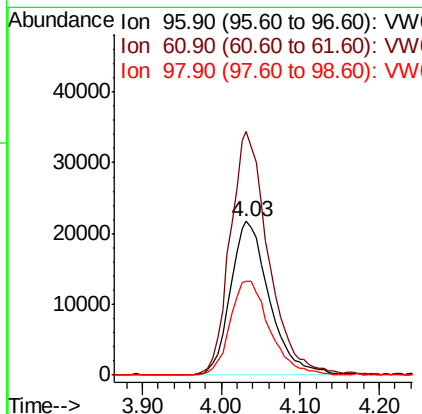
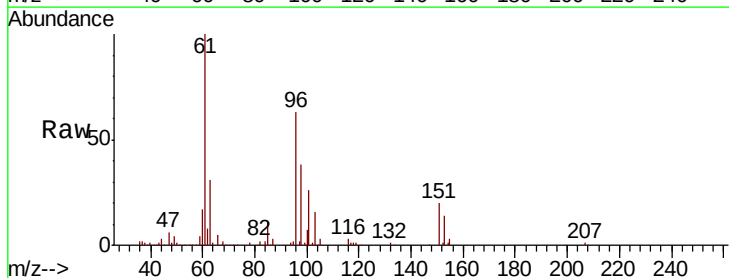
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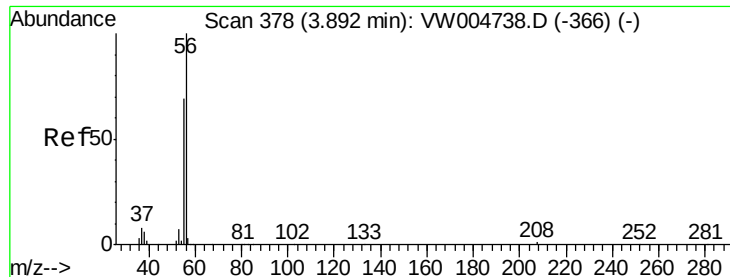


#12

1,1-Dichloroethene
 Concen: 10.43 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	125.6	188.4
98	60.6	49.4	74.0





#13

Acrolein

Concen: 51.51 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 25959

Ion Ratio Lower Upper

56 100

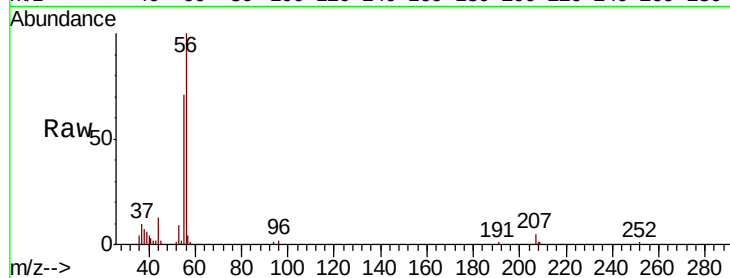
55 72.7 56.1 84.1

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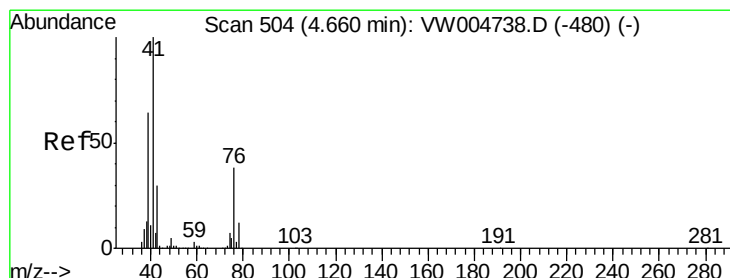
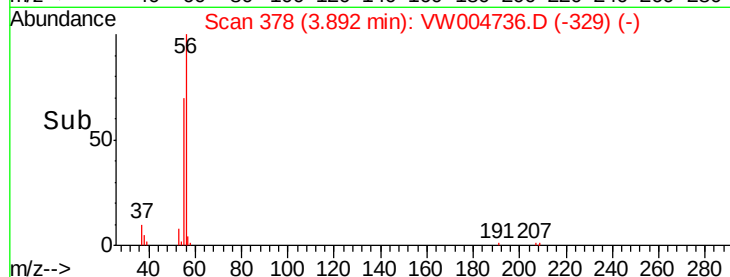
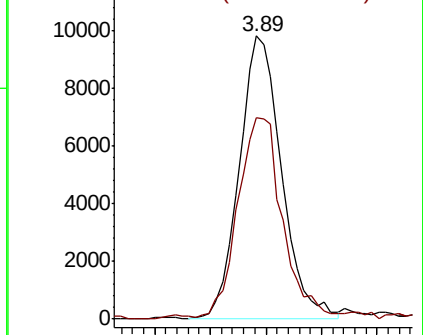
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 9.91 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

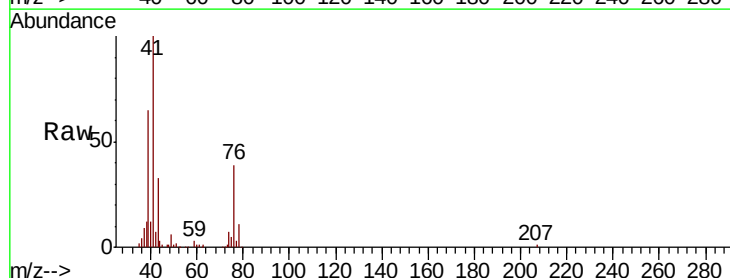
Tgt Ion: 41 Resp: 107806

Ion Ratio Lower Upper

41 100

39 62.4 50.0 75.0

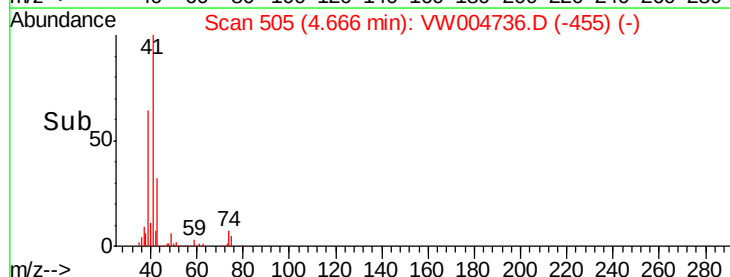
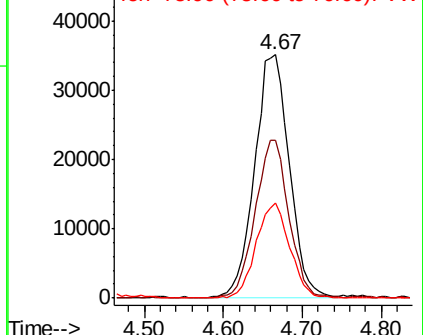
76 37.6 29.8 44.6

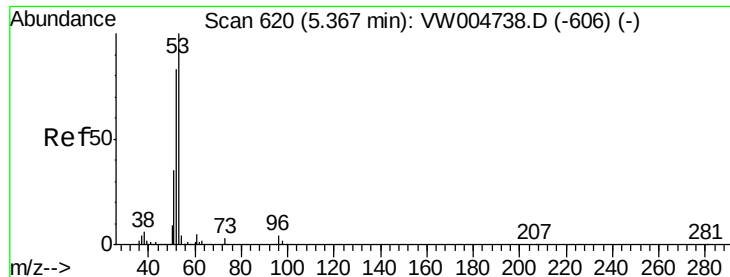


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





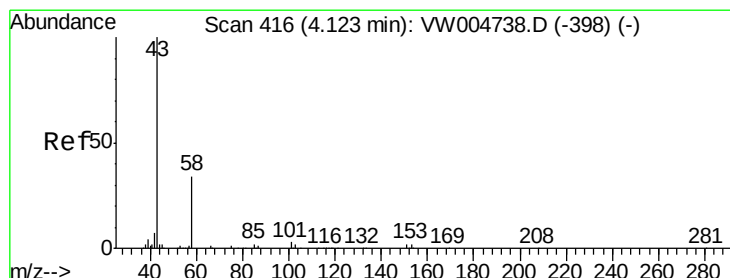
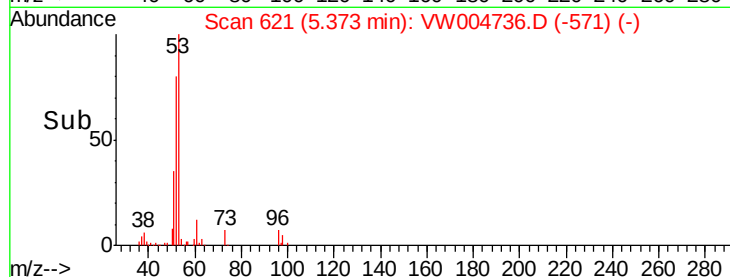
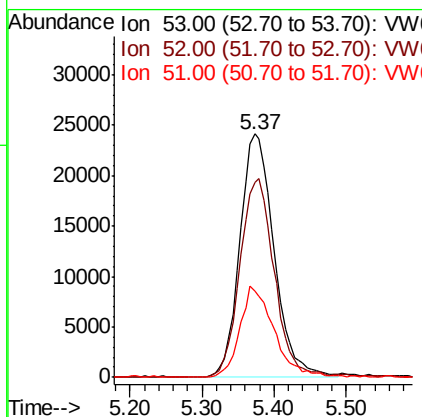
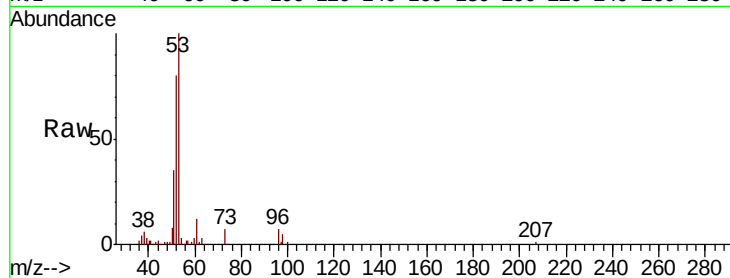
#15
 Acrylonitrile
 Concen: 50.46 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	53	Resp:	79890
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.8	98.6
51	36.9	28.7	43.1

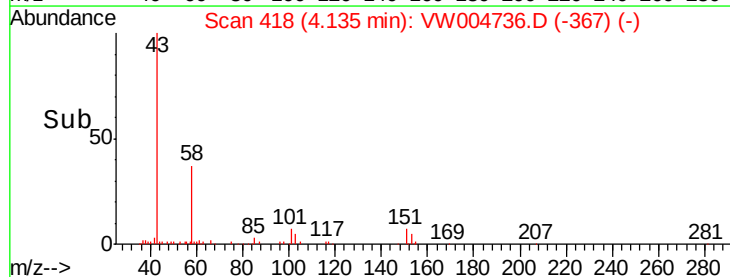
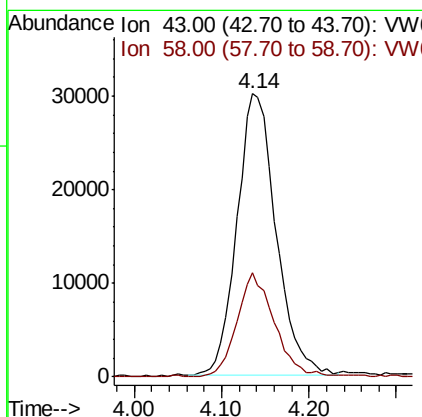
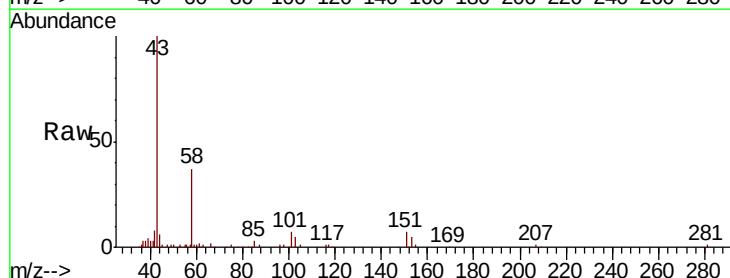
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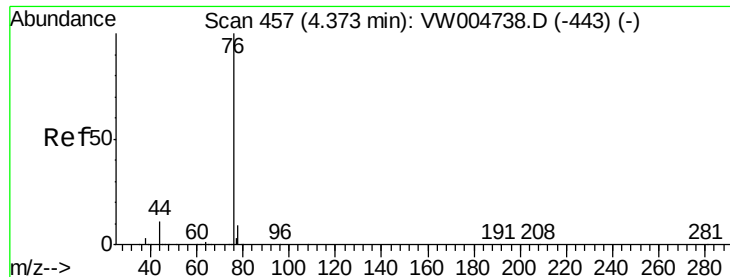
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#16
 Acetone
 Concen: 54.32 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion:	43	Resp:	93220
Ion	Ratio	Lower	Upper
43	100		
58	36.8	27.3	40.9





#17

Carbon Disulfide

Concen: 10.23 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 240880

Ion Ratio Lower Upper

76 100

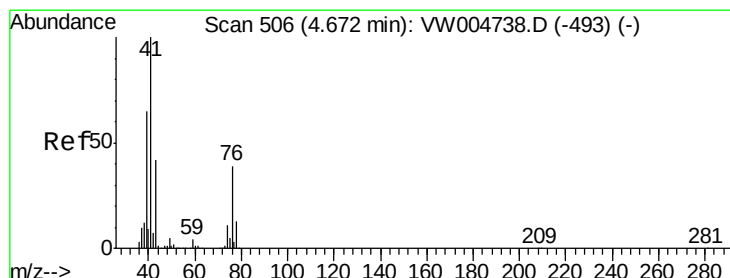
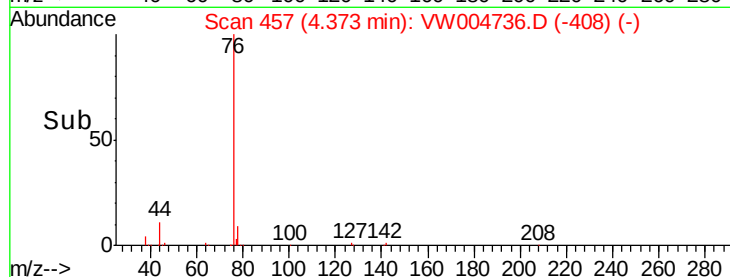
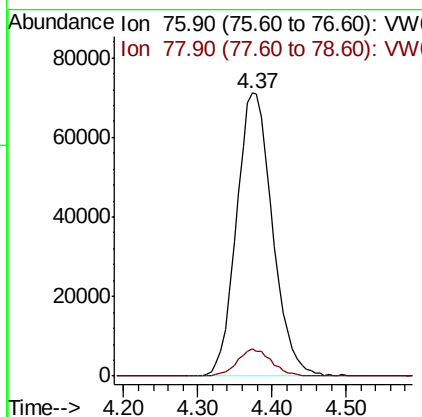
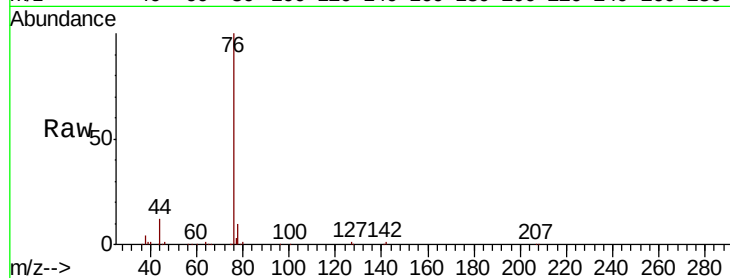
78 9.6 7.4 11.2

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#18

Methyl Acetate

Concen: 10.00 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004736.D

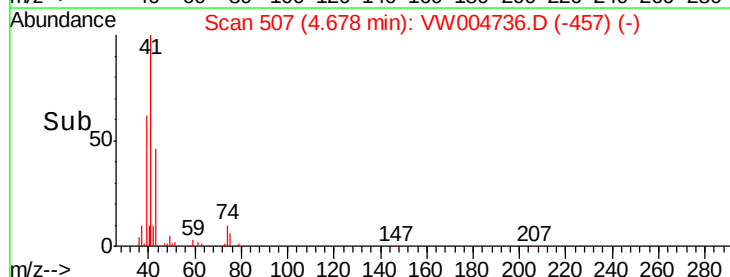
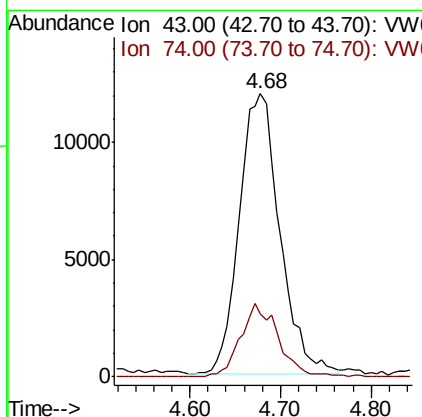
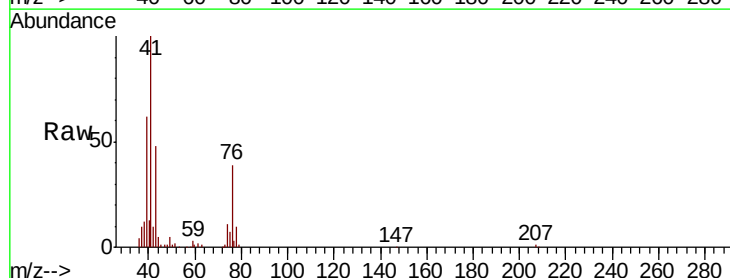
Acq: 17 Aug 2018 16:20

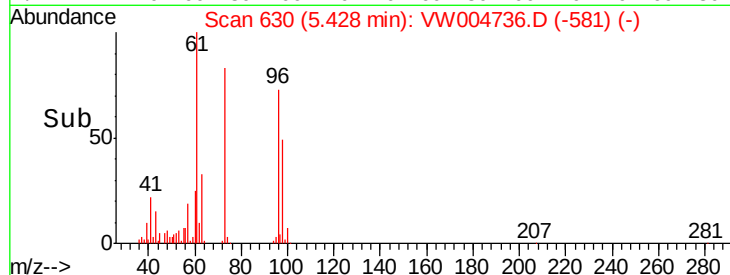
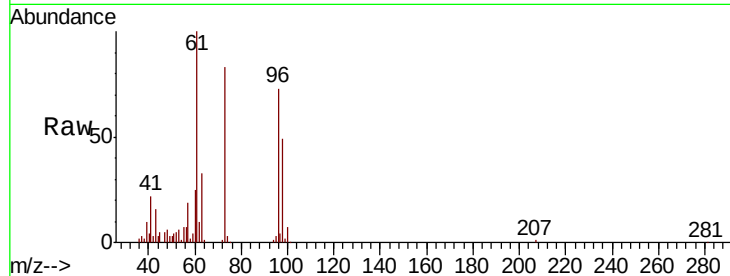
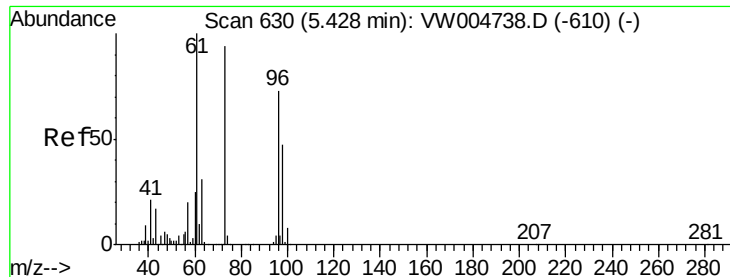
Tgt Ion: 43 Resp: 36775

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8





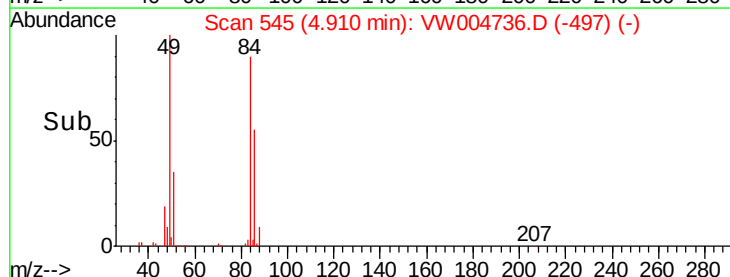
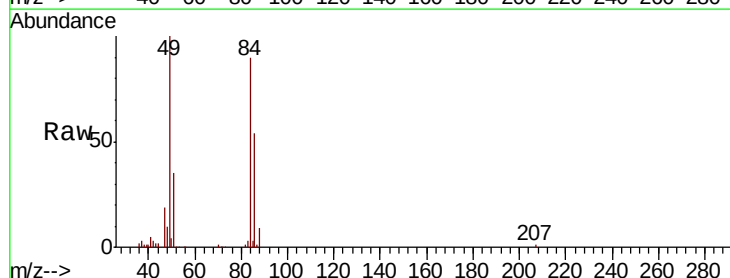
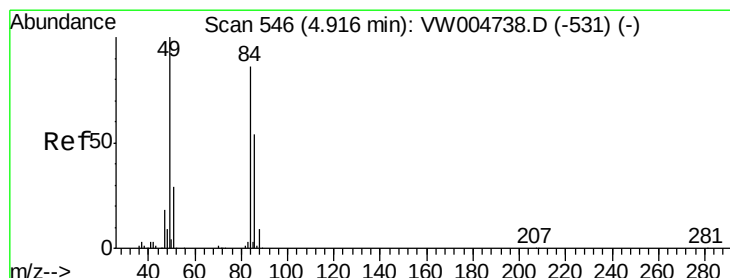
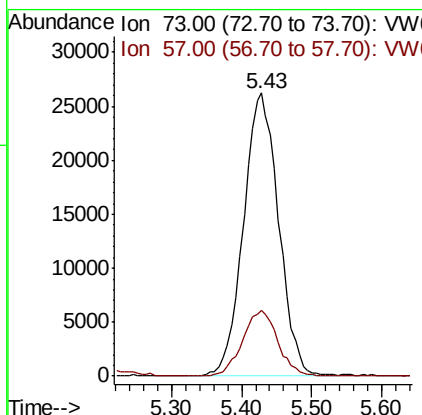
#19
Methyl tert-butyl Ether
Concen: 9.83 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tot Ion	73	Resp	91467
Ion Ratio	Lower	Upper	
73	100		
57	23.3	17.3	25.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

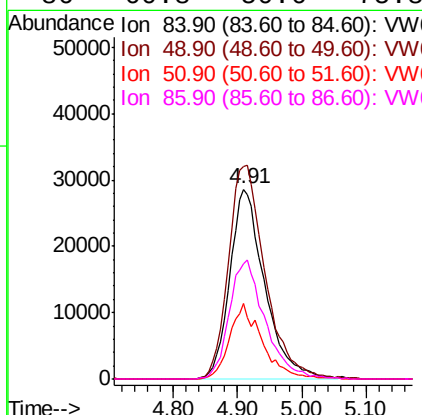
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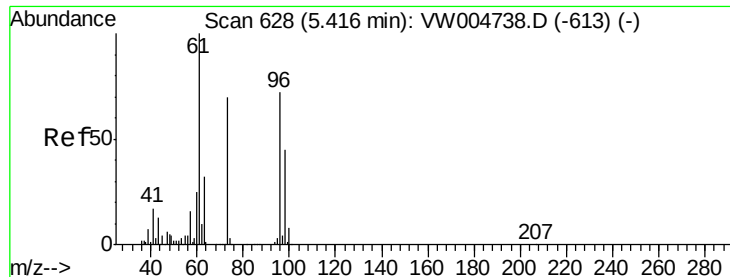
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#20
Methylene Chloride
Concen: 11.53 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	84	Resp	107952
Ion Ratio	Lower	Upper	
84	100		
49	111.6	93.2	139.8
51	39.6	27.4	41.0
86	60.8	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 10.26 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

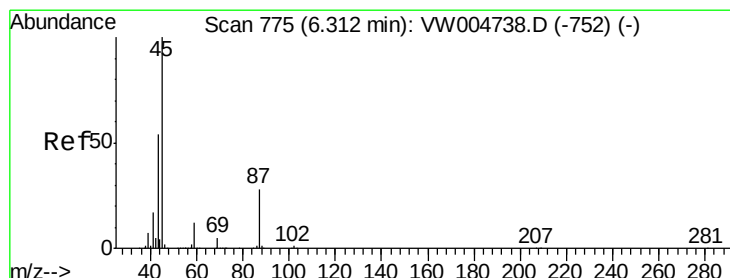
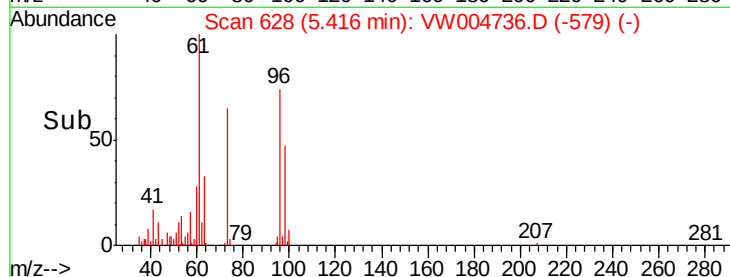
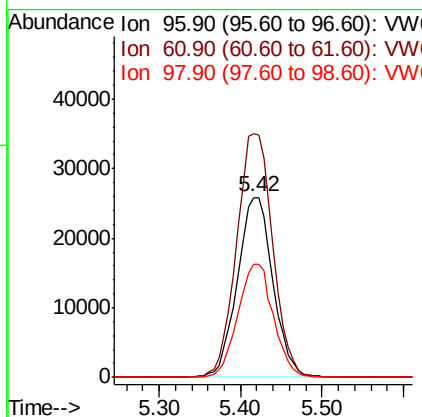
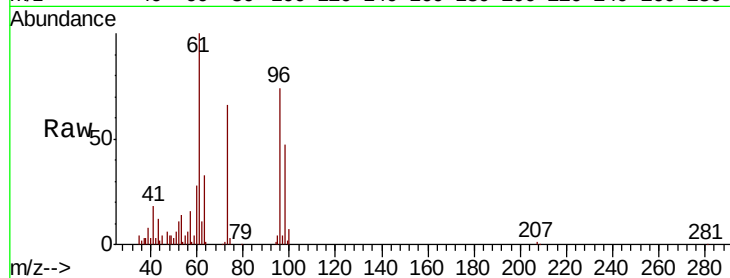
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	78205
Ion	Ratio	Lower	Upper
96	100		
61	135.4	111.4	167.0
98	63.1	49.7	74.5

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#22

Diisopropyl ether

Concen: 10.05 ug/l

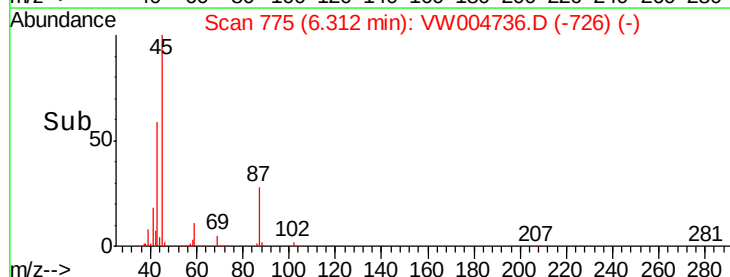
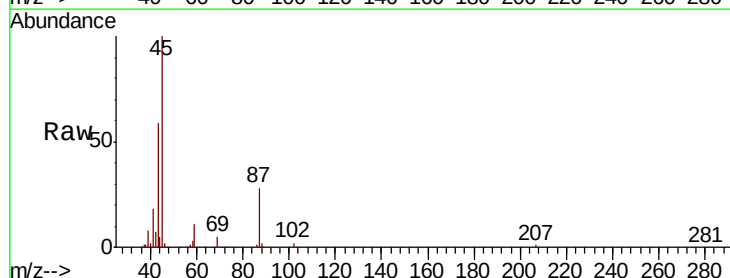
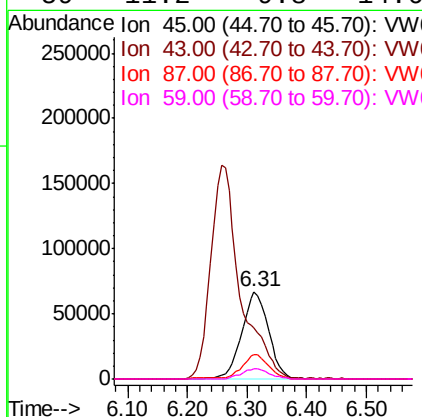
RT: 6.31 min Scan# 775

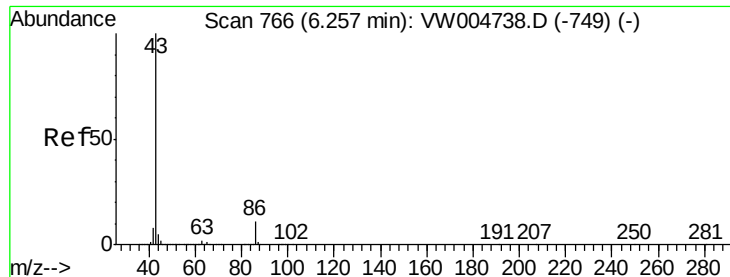
Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion:	45	Resp:	210070
Ion	Ratio	Lower	Upper
45	100		
43	58.2	43.0	64.6
87	27.9	22.2	33.4
59	11.2	9.8	14.6





#23

Vinyl Acetate

Concen: 47.48 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 561312

Ion Ratio Lower Upper

43 100

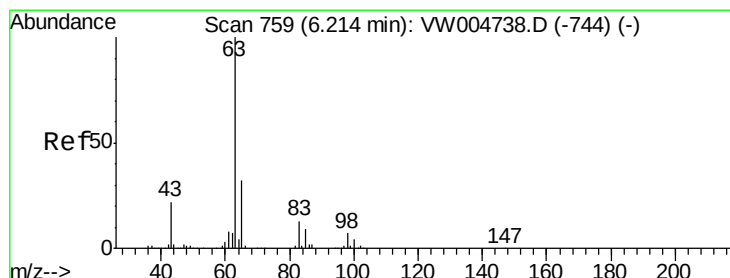
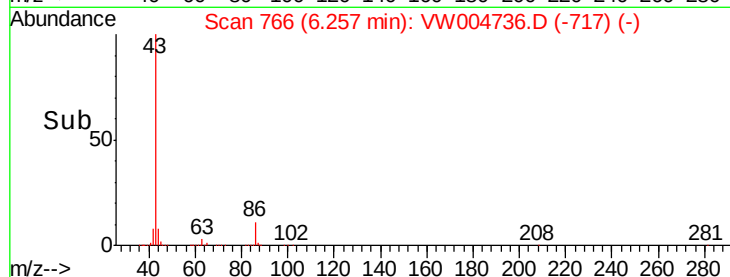
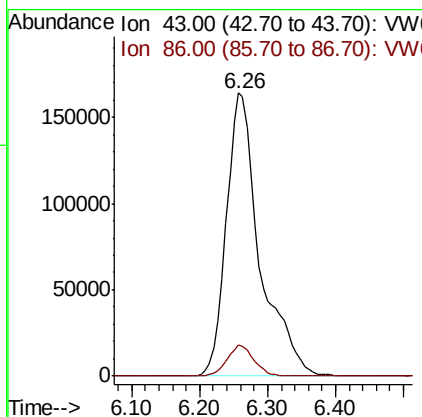
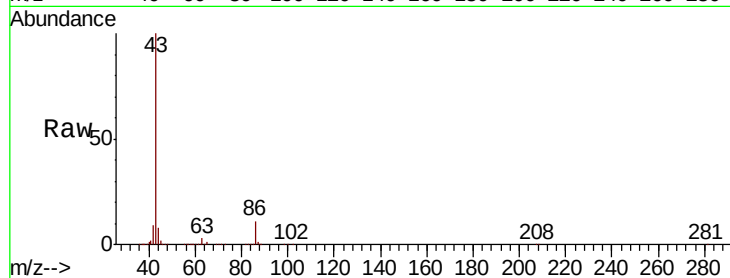
86 11.0 8.5 12.7

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#24

1,1-Dichloroethane

Concen: 10.33 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

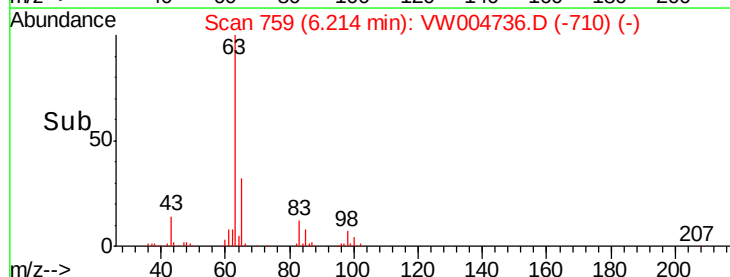
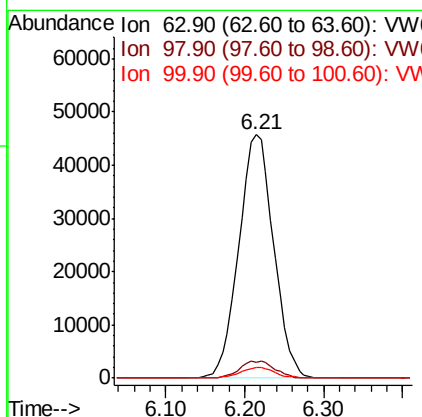
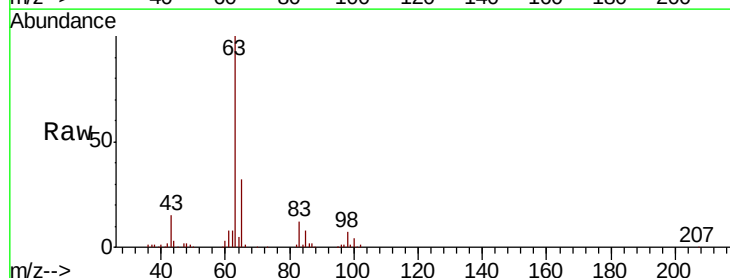
Tgt Ion: 63 Resp: 140340

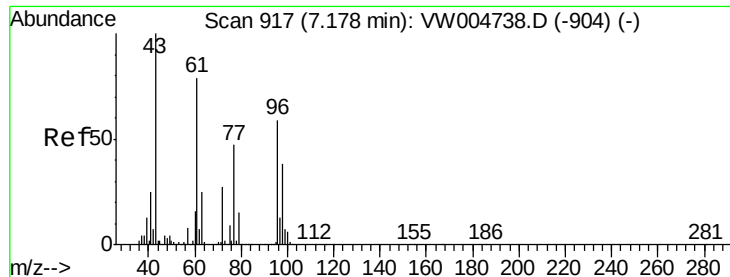
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 50.28 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 122926

Ion Ratio Lower Upper

43 100

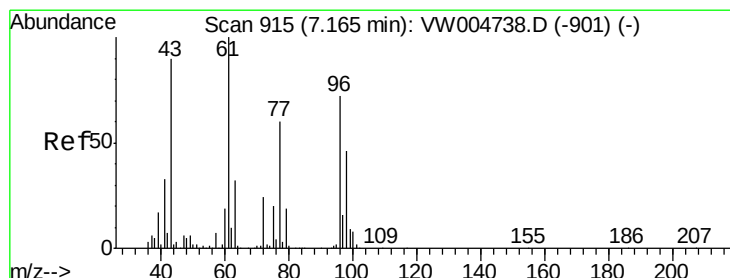
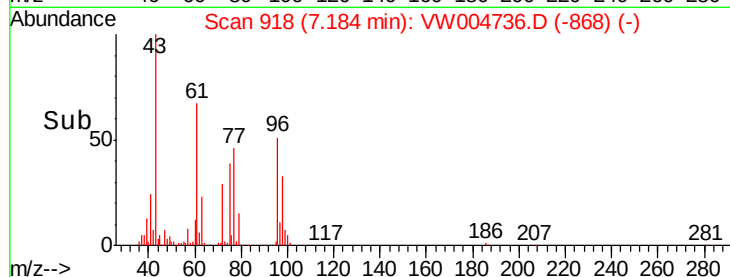
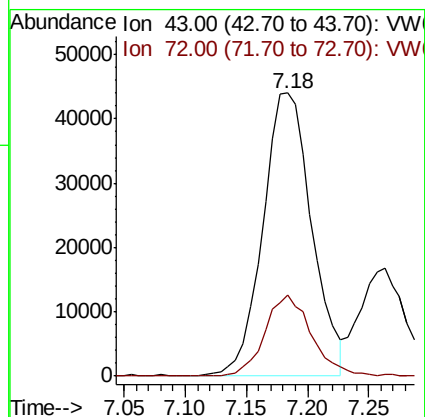
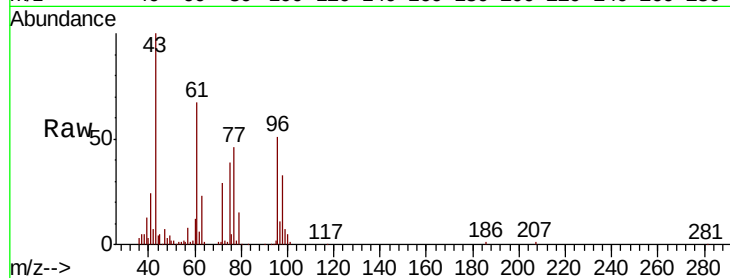
72 28.6 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 10.79 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004736.D

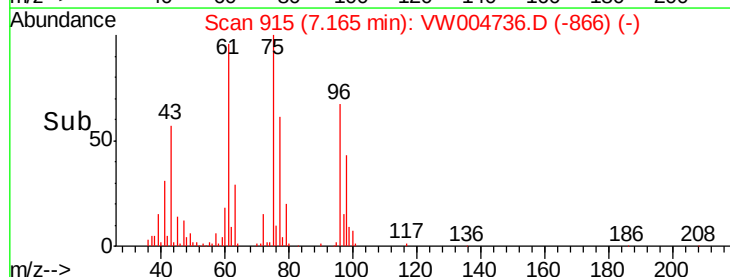
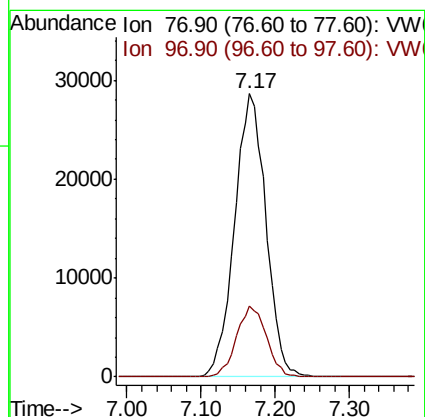
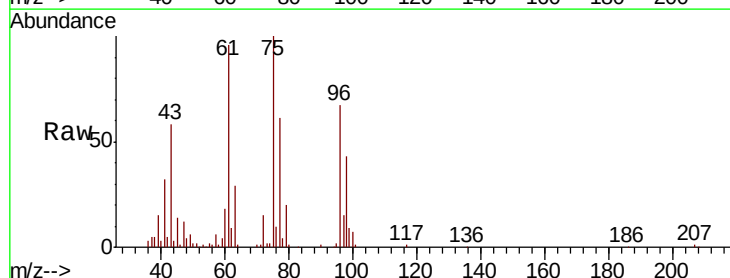
Acq: 17 Aug 2018 16:20

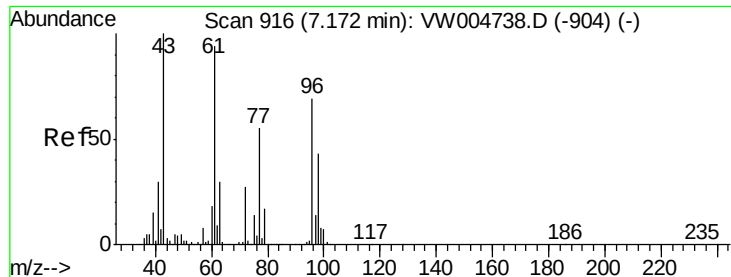
Tgt Ion: 77 Resp: 84650

Ion Ratio Lower Upper

77 100

97 23.9 12.6 37.8





#27

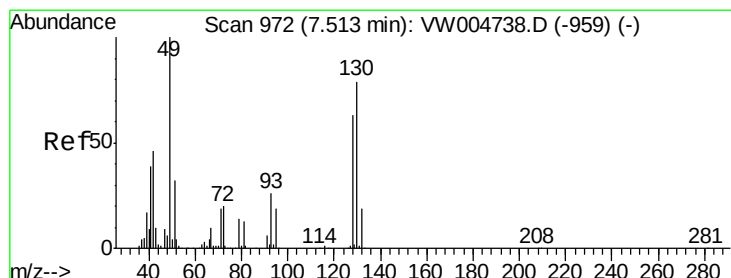
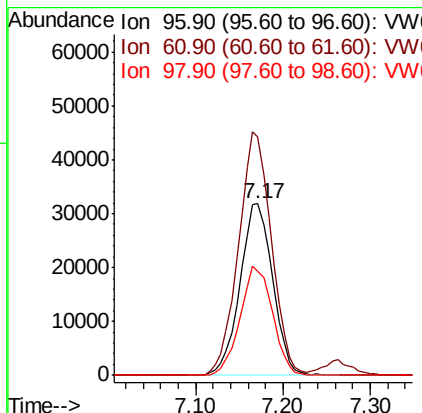
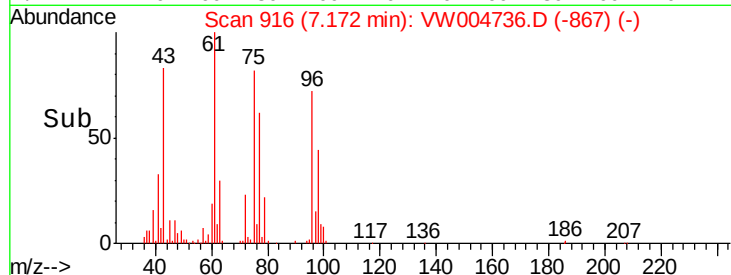
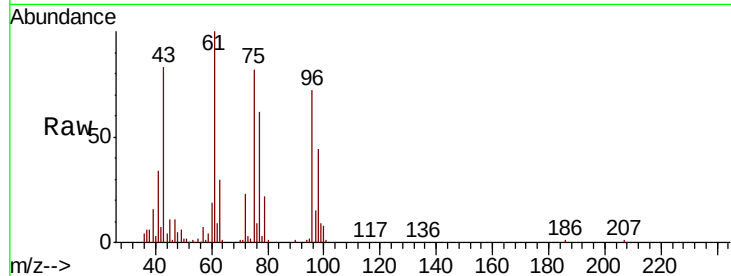
cis-1,2-Dichloroethene
Concen: 10.09 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	277.6
98	62.9	0.0	127.4

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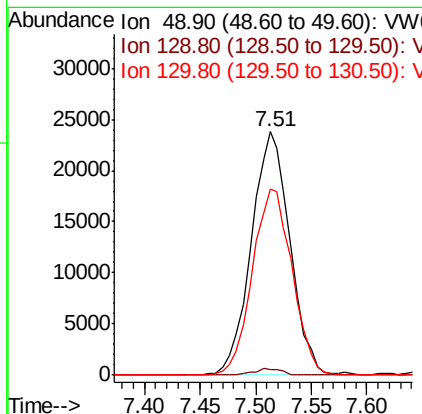
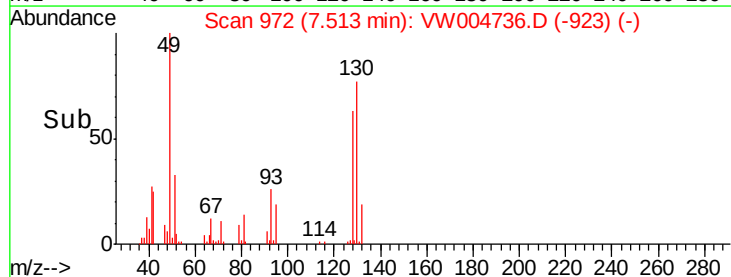
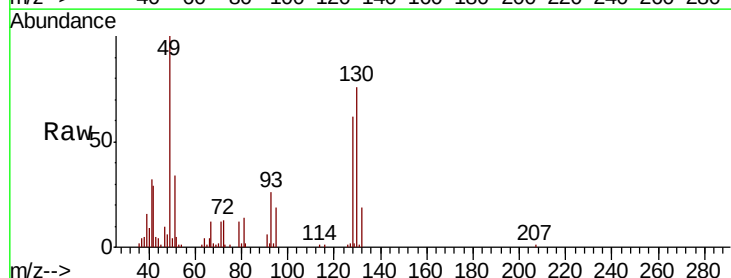
apatel
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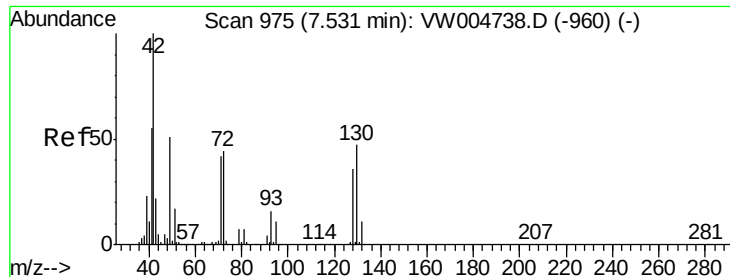


#28

Bromochloromethane
Concen: 10.03 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	78.7	63.7	95.5





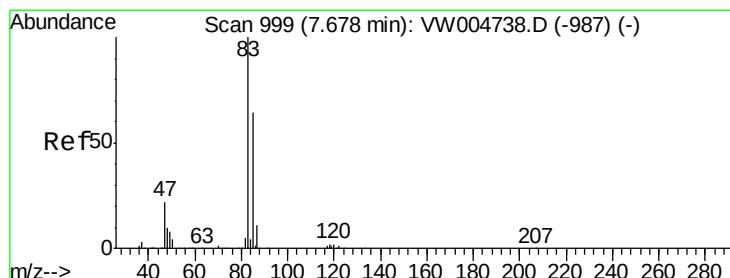
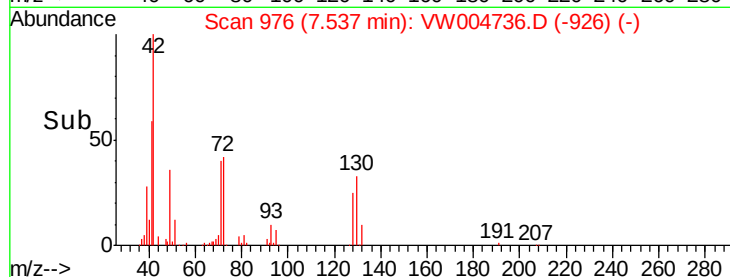
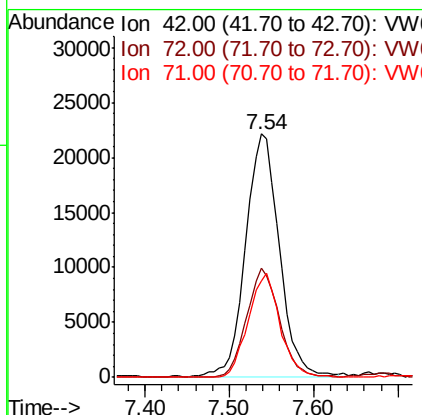
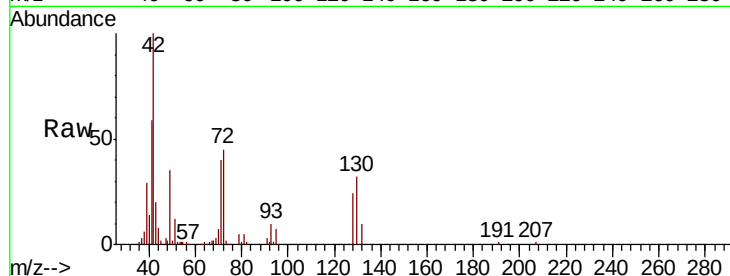
#29
Tetrahydrofuran
Concen: 48.57 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	42	Resp:	60560
Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.9	52.3
71	39.9	33.8	50.6

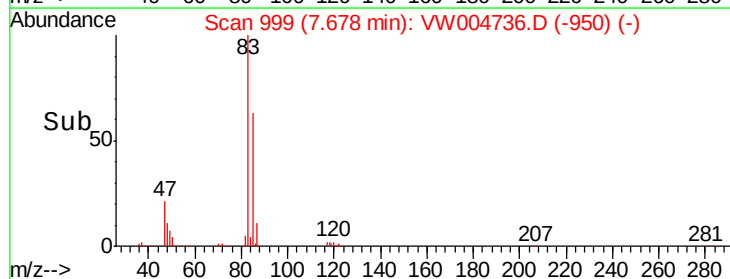
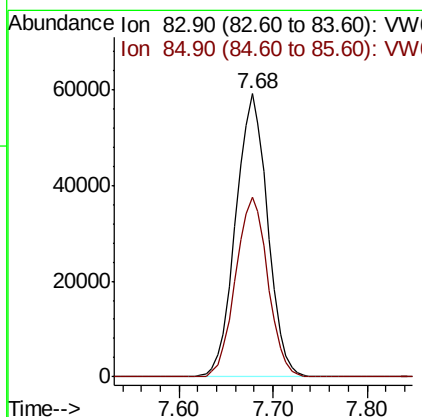
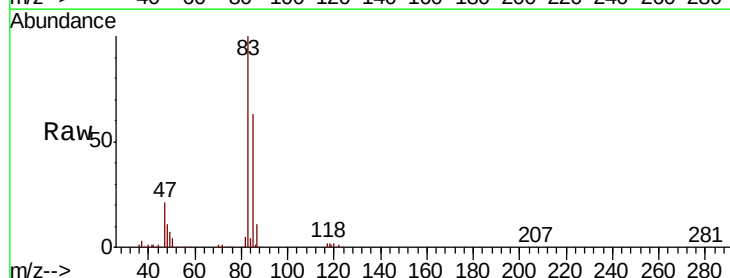
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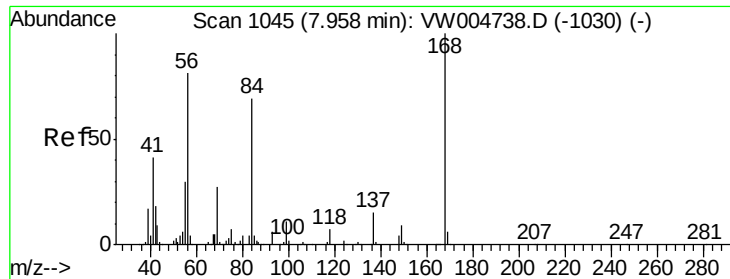
apatel
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#30
Chloroform
Concen: 10.47 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion:	83	Resp:	139801
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.6





#31

Cyclohexane

Concen: 10.32 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

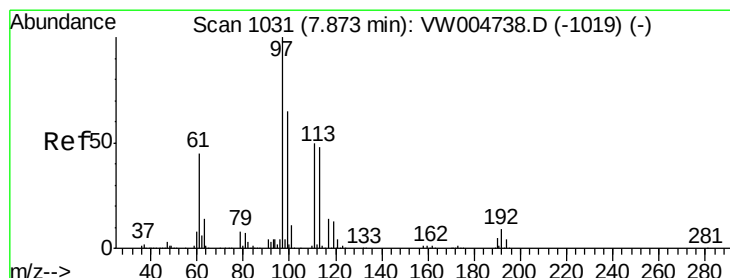
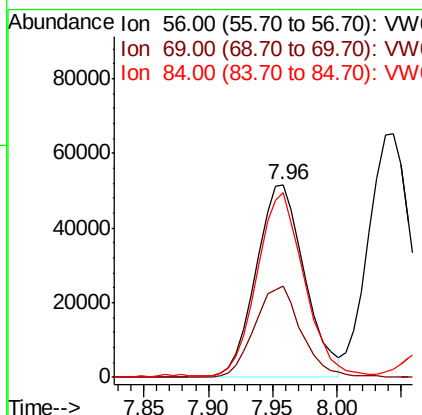
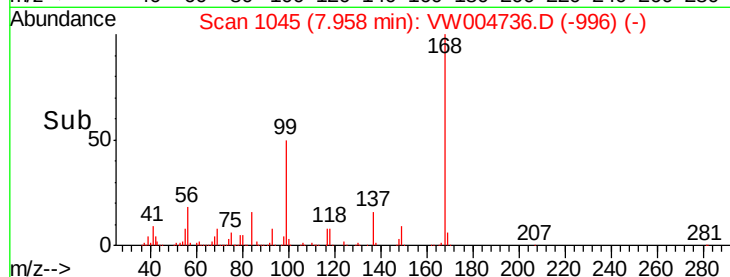
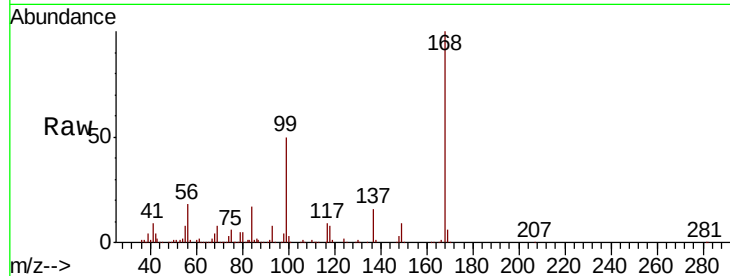
ClientSampled :

VSTDIC010

Tot Ion:	56	Resp:	135631
Ion Ratio	Lower	Upper	
56	100		
69	47.5	27.1	40.7#
84	94.8	68.3	102.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 10.36 ug/l

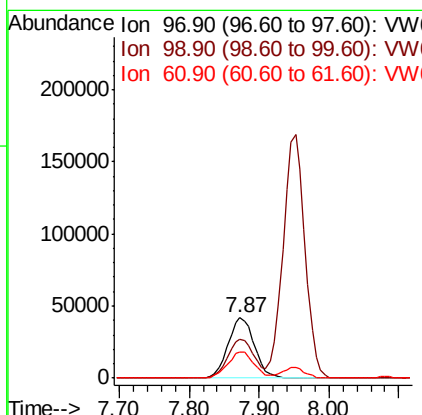
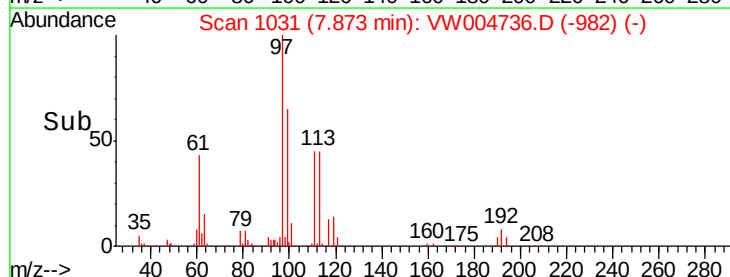
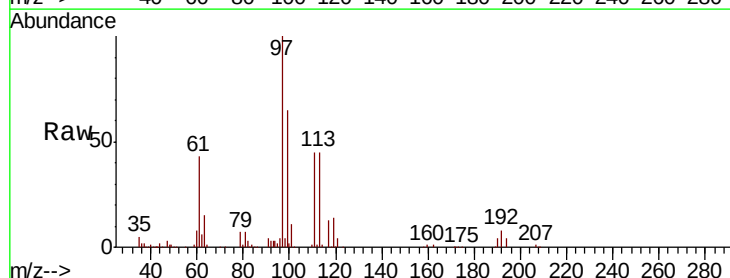
RT: 7.87 min Scan# 1031

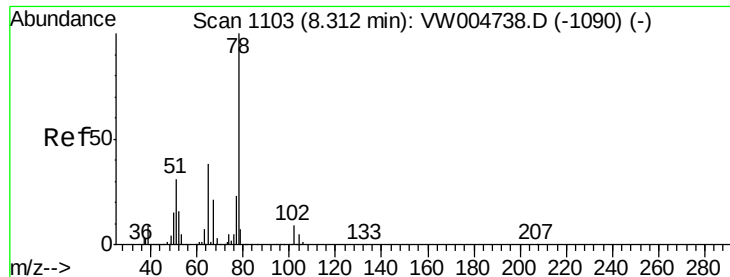
Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion:	97	Resp:	109725
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.7	77.5
61	43.3	34.4	51.6





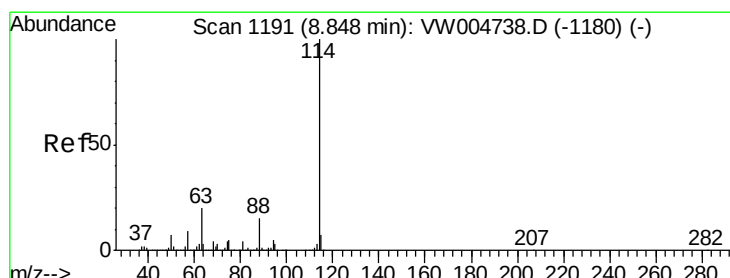
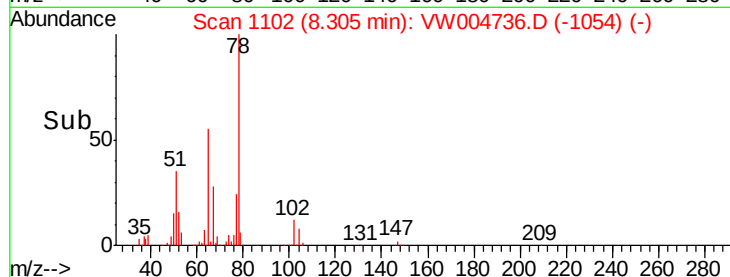
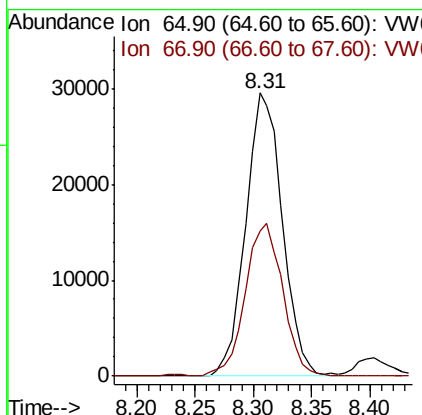
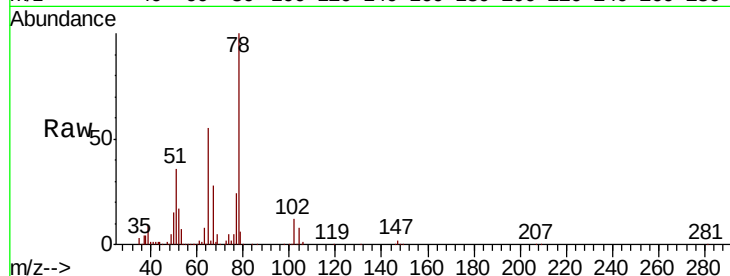
#33
 1,2-Dichloroethane-d4
 Concen: 9.62 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	109.4

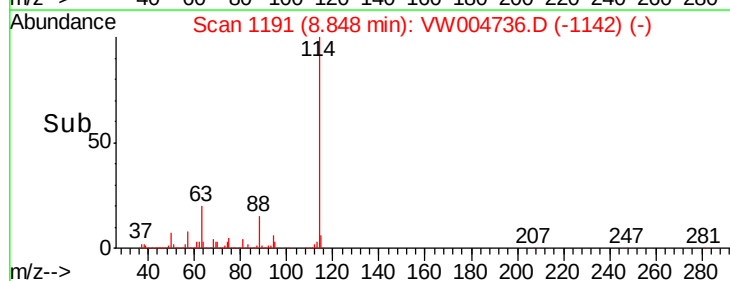
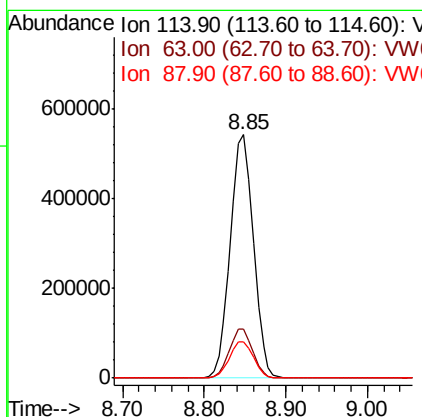
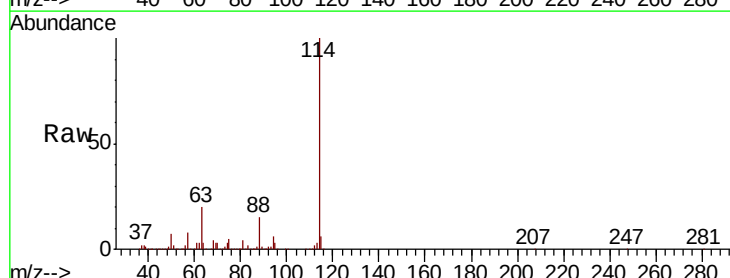
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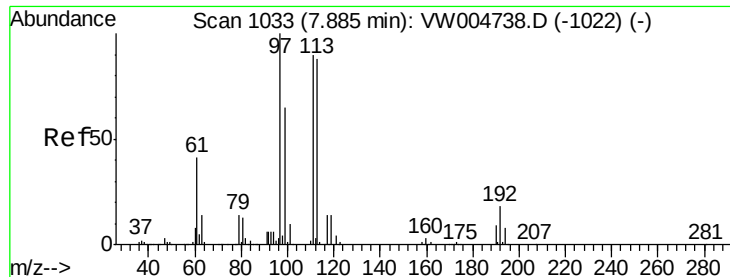
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.0
88	15.1	0.0	30.0





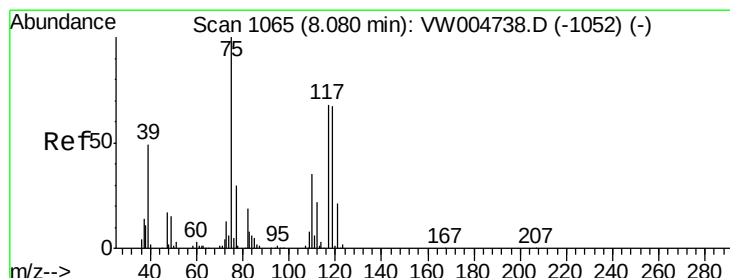
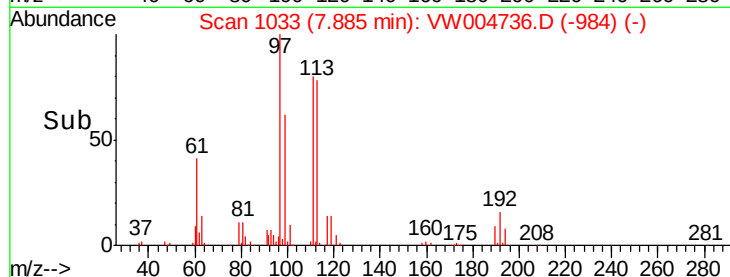
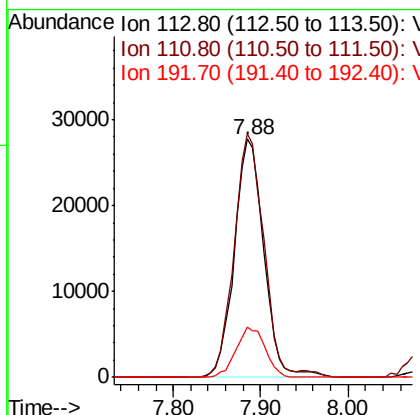
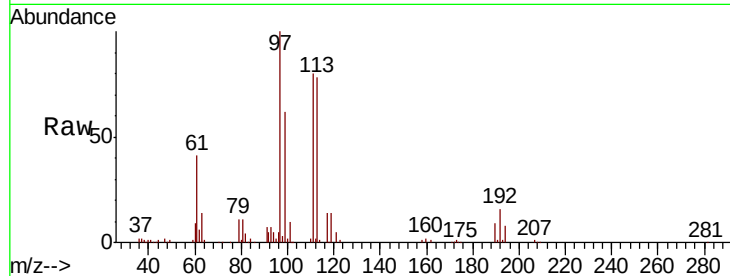
#35
 Dibromofluoromethane
 Concen: 9.64 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.4	123.6
192	20.8	16.7	25.1

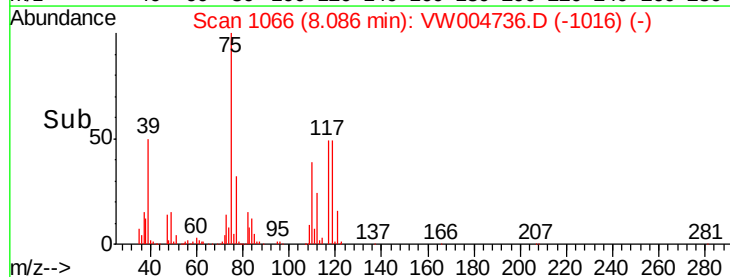
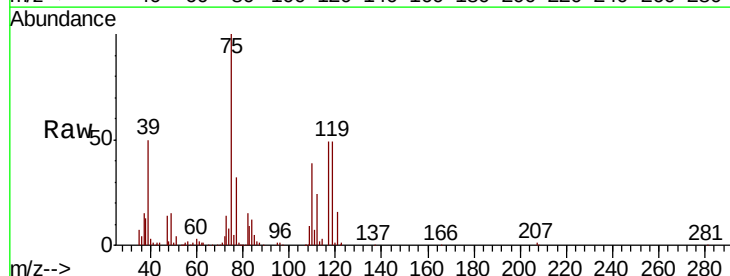
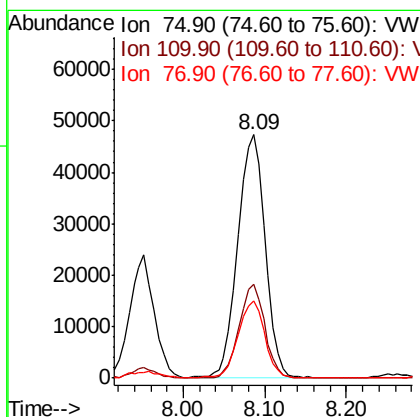
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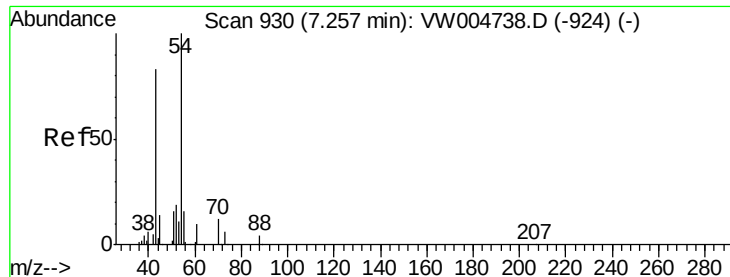
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#36
 1,1-Dichloropropene
 Concen: 10.15 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.8	53.5
77	30.8	24.9	37.3





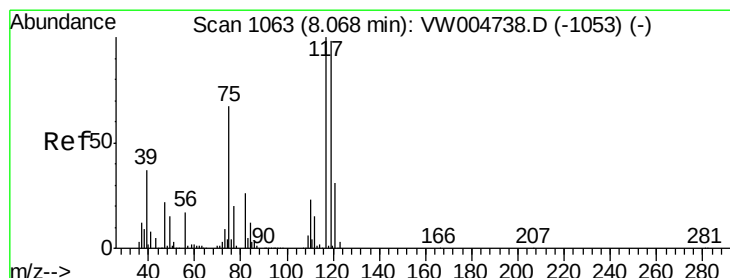
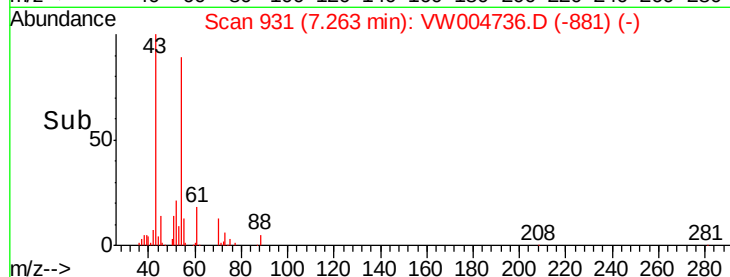
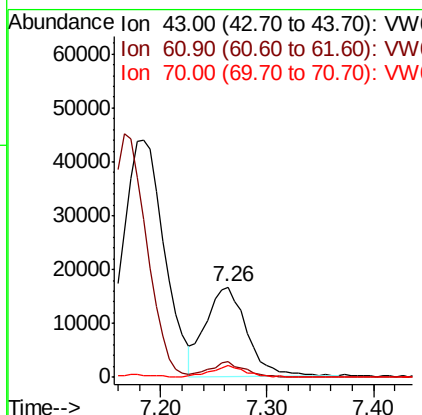
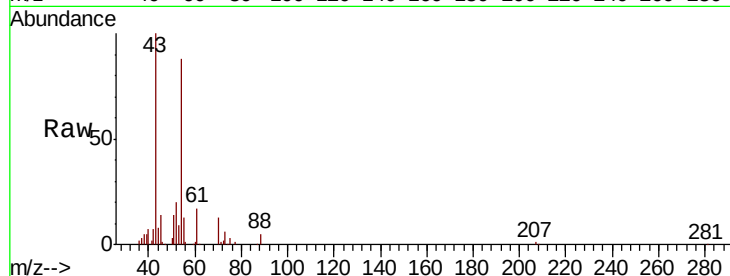
#37
Ethyl Acetate
Concen: 10.24 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.6	17.4
70	11.4	9.2	13.8

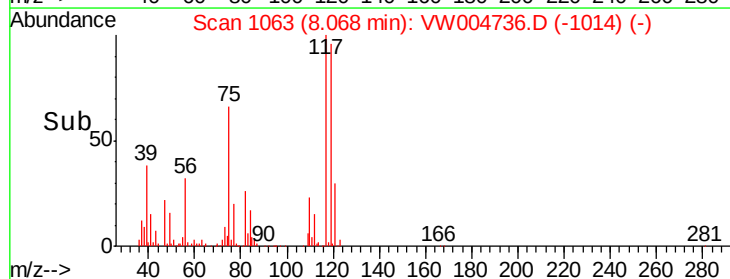
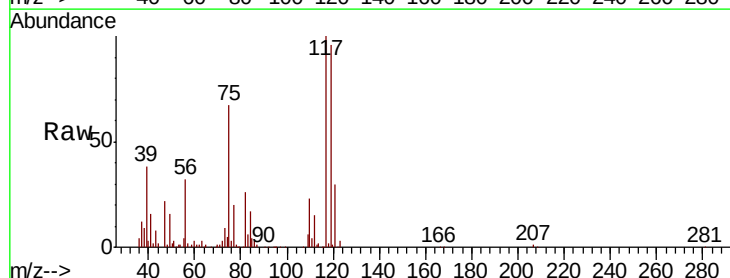
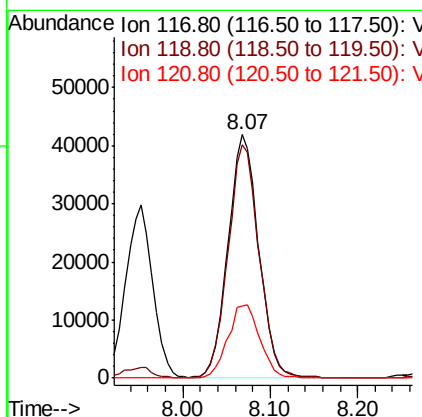
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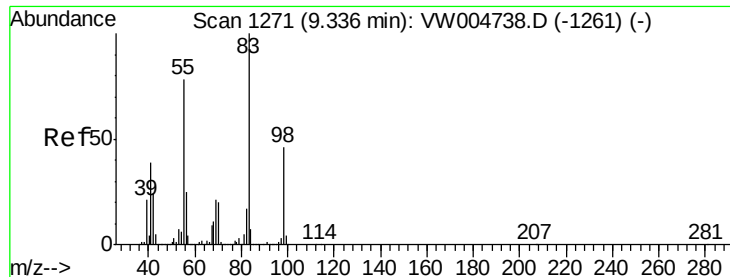
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#38
Carbon Tetrachloride
Concen: 10.18 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.0	117.0
121	29.7	24.8	37.2





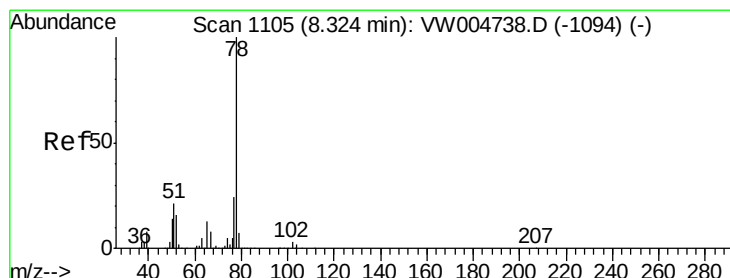
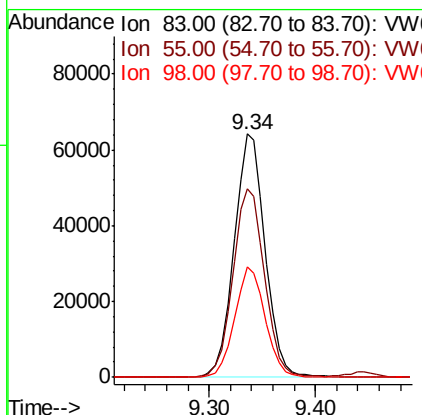
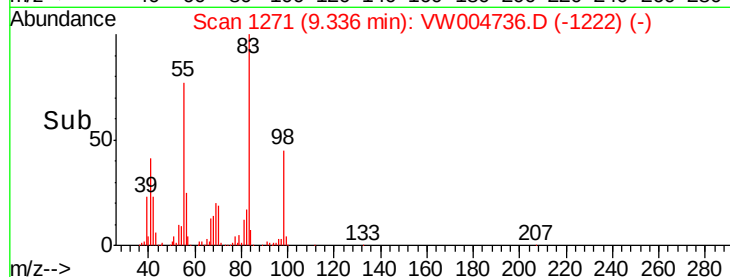
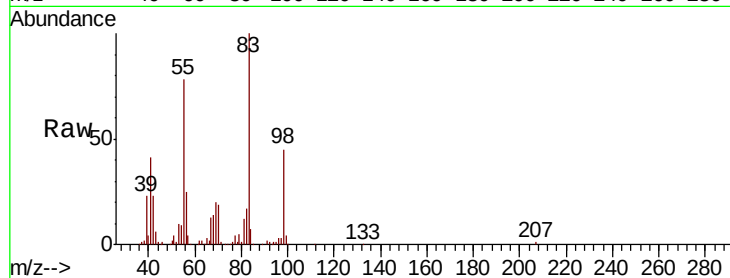
#39
Methylvlcyclohexane
Concen: 9.61 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	130877
Ion Ratio	Lower	Upper	
83	100		
55	77.6	62.4	93.6
98	45.5	36.5	54.7

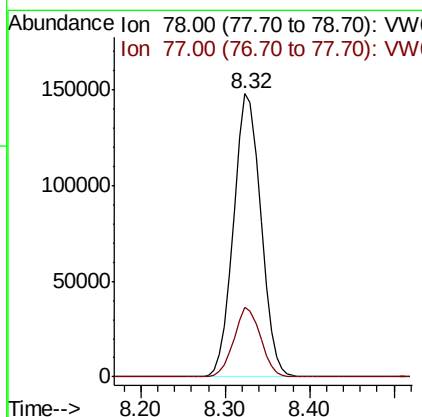
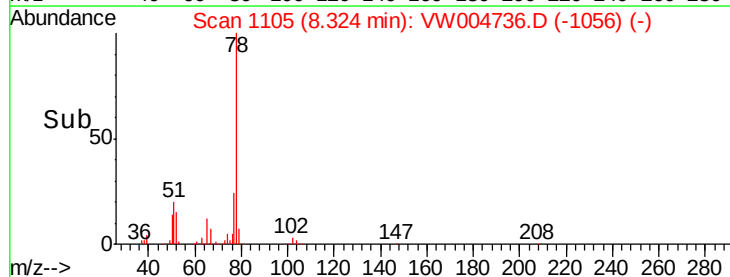
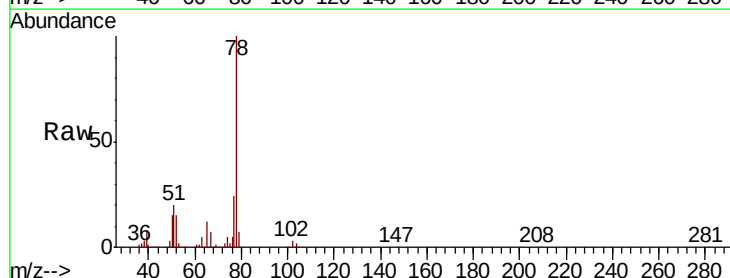
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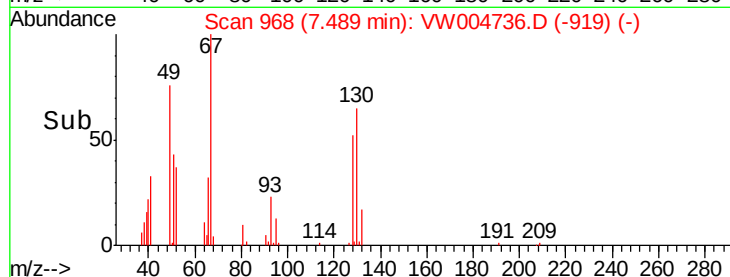
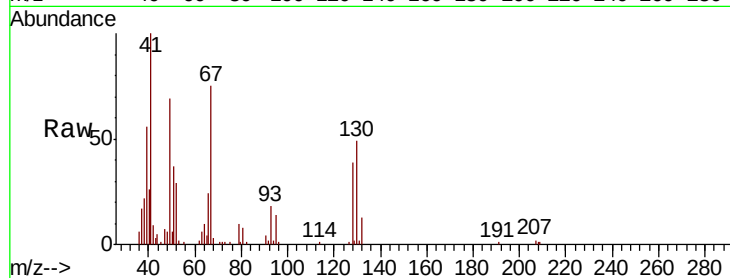
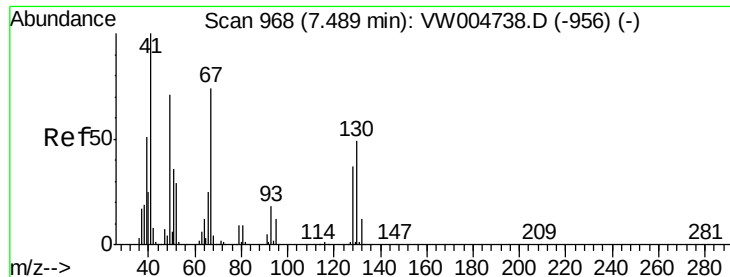
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#40
Benzene
Concen: 10.26 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

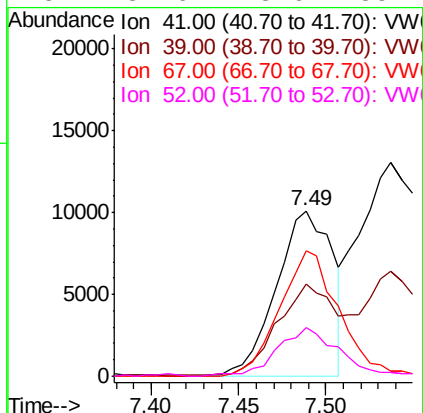
Tgt Ion	78	Resp	324619
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.0	28.6





#41
Methacrylonitrile
Concen: 9.19 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

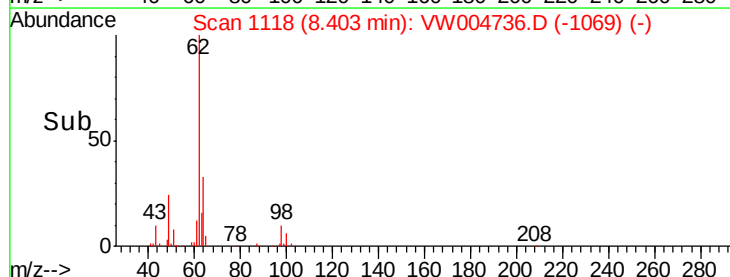
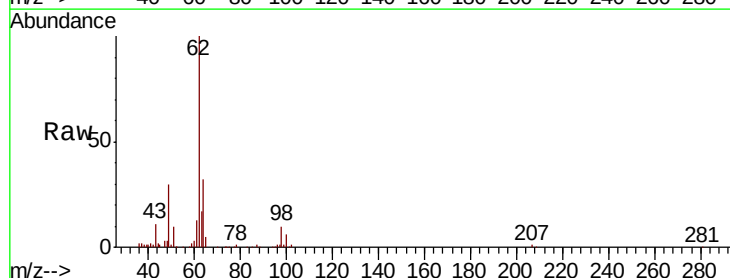
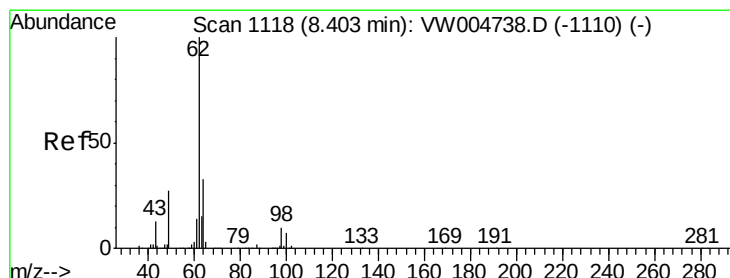
Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	41.0	61.4
67	80.5	59.5	89.3
52	32.6	23.6	35.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

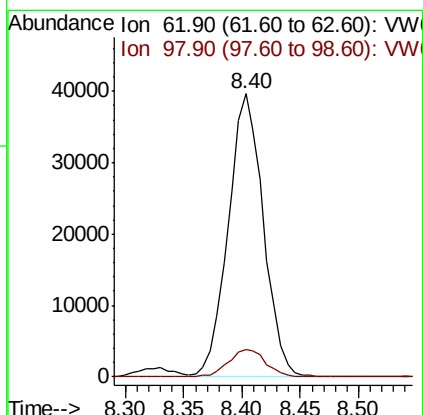
Manual Integrations
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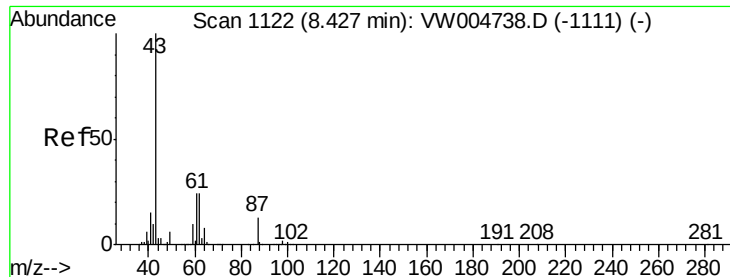
apatel
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#42
1,2-Dichloroethane
Concen: 10.23 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 9.37 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

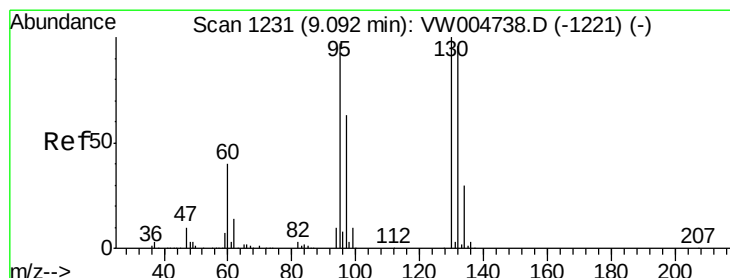
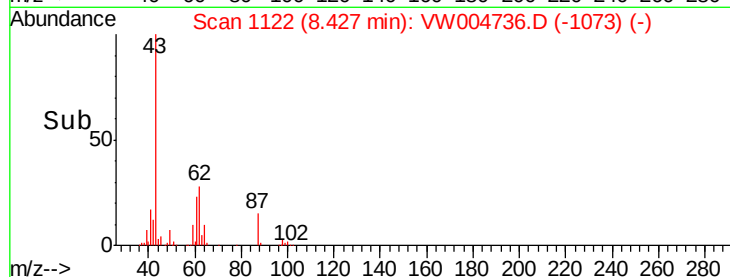
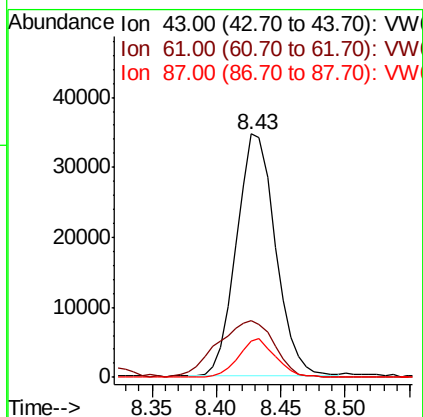
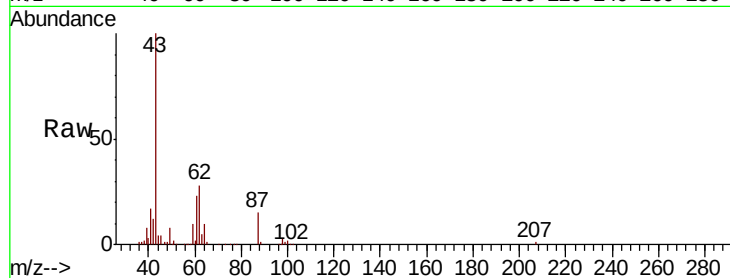
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	73100
Ion	Ratio	Lower	Upper
43	100		
61	34.0	26.2	39.4
87	15.0	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 10.10 ug/l

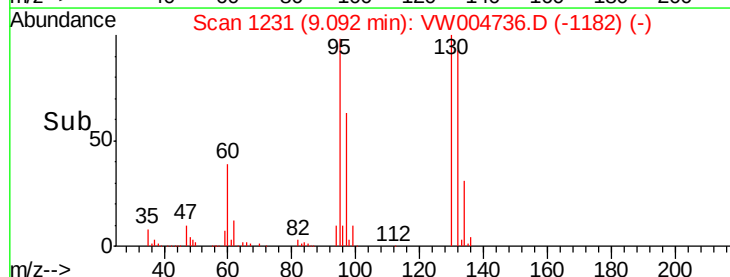
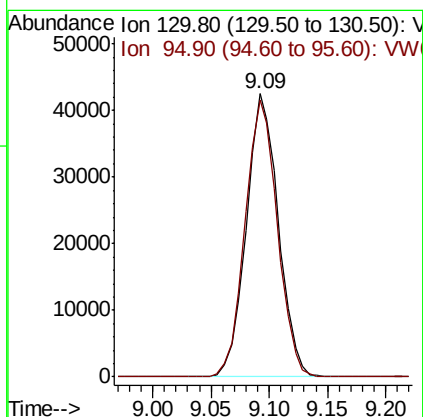
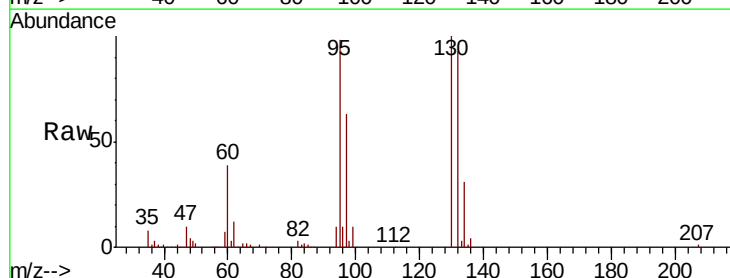
RT: 9.09 min Scan# 1231

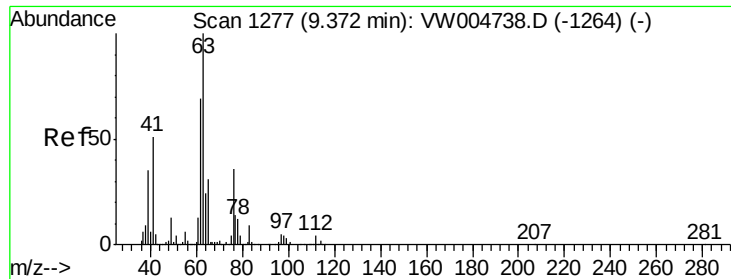
Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion:	130	Resp:	81176
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	194.4





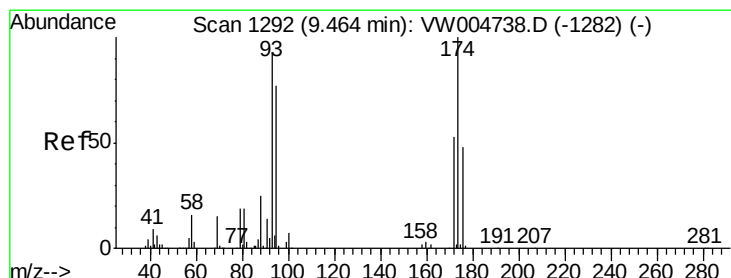
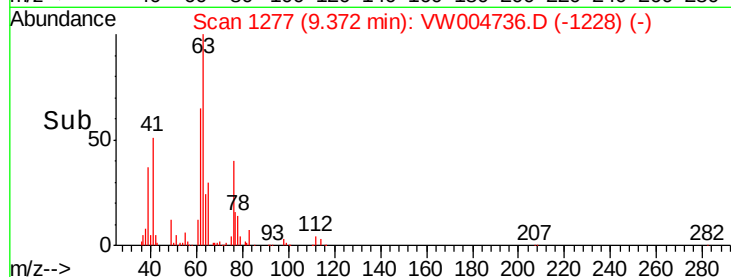
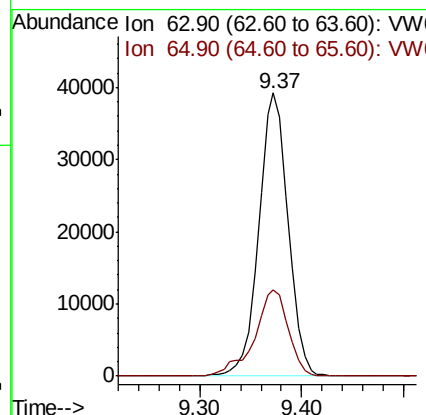
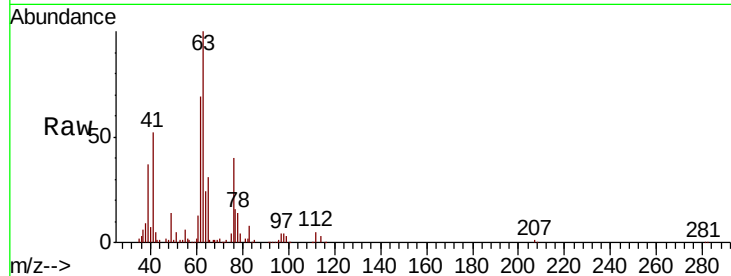
#45
 1,2-Dichloropropane
 Concen: 10.11 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.6	37.0

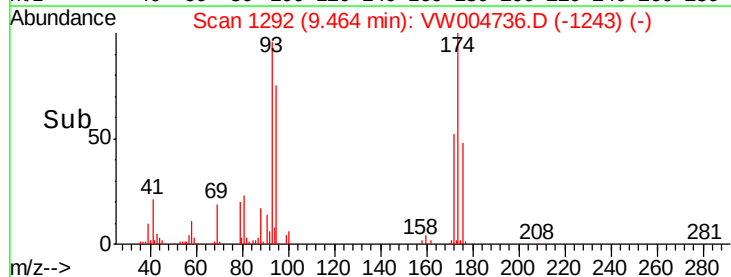
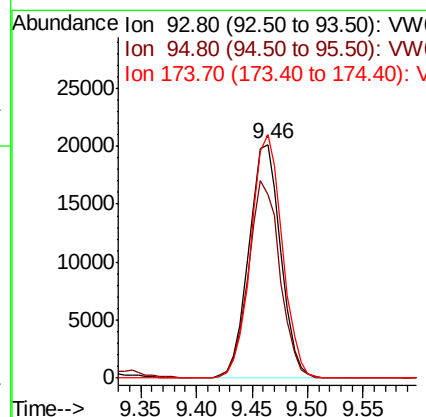
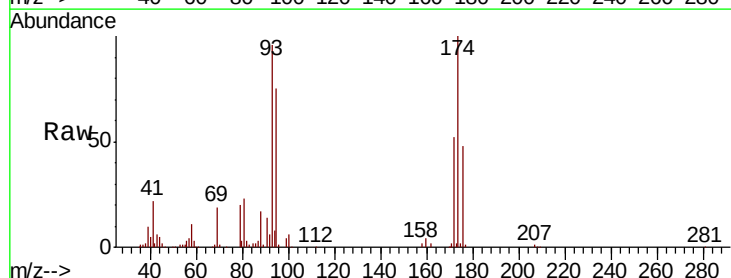
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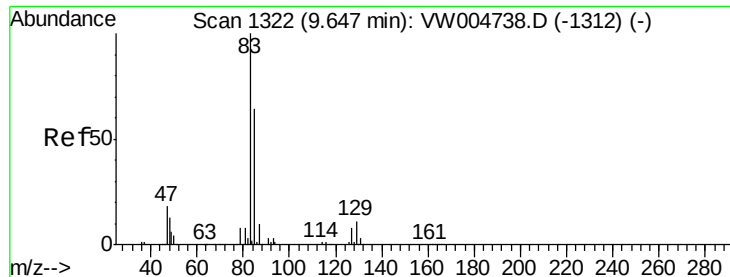
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#46
 Dibromomethane
 Concen: 10.47 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.6	99.8
174	102.7	85.3	127.9





#47

Bromodichloromethane

Concen: 9.96 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

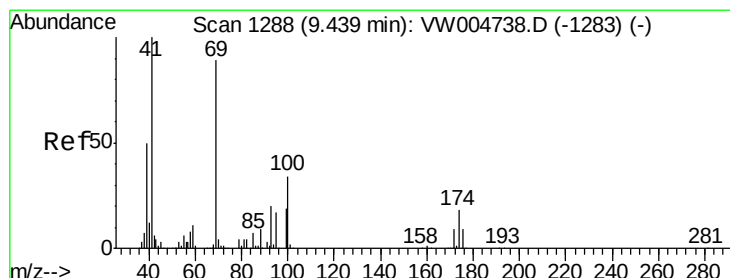
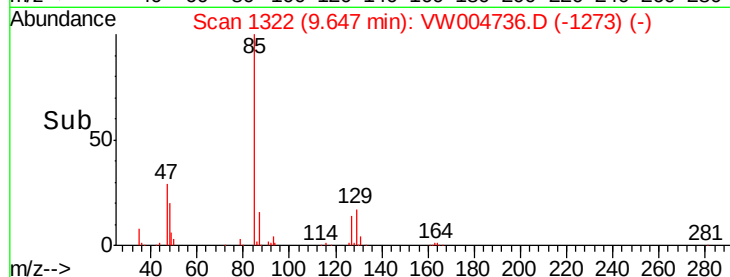
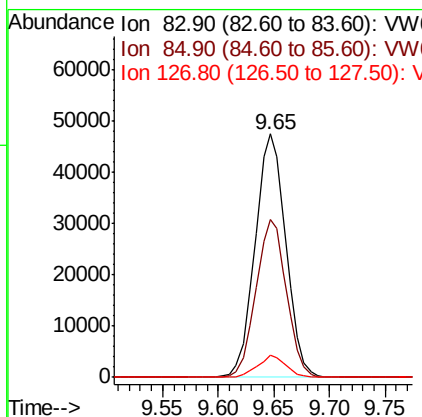
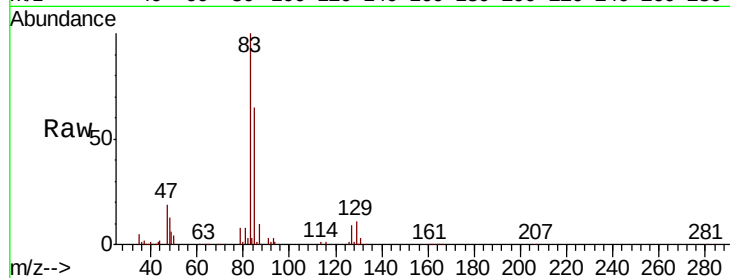
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	91196
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	8.9	6.7	10.1

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#48

Methyl methacrylate

Concen: 9.42 ug/l

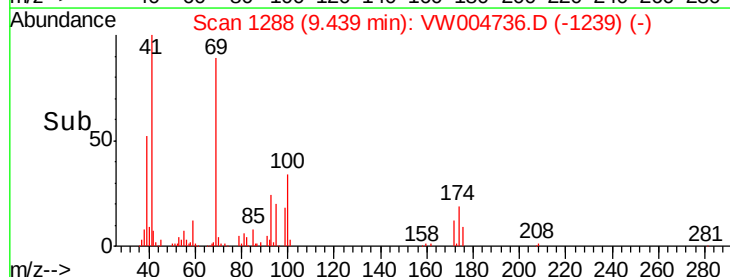
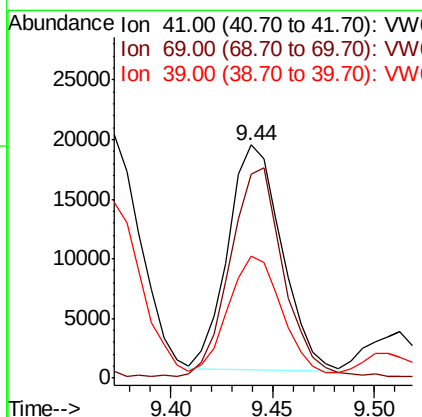
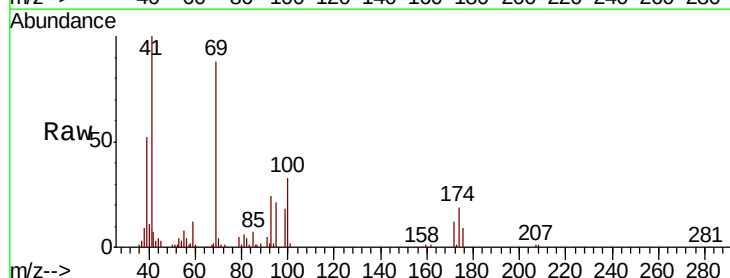
RT: 9.44 min Scan# 1288

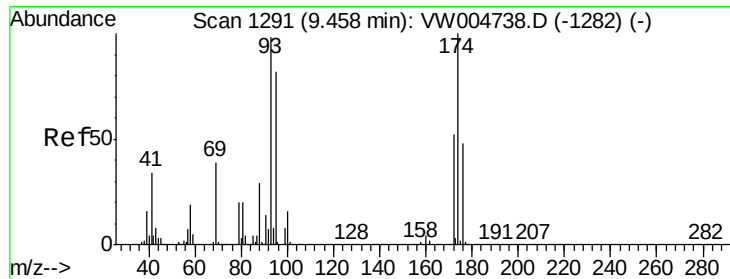
Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion:	41	Resp:	34461
Ion	Ratio	Lower	Upper
41	100		
69	92.8	75.2	112.8
39	51.0	39.8	59.6





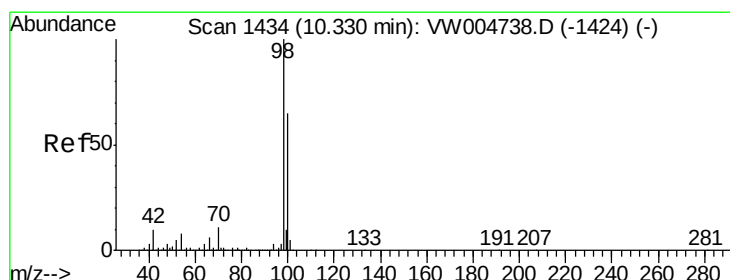
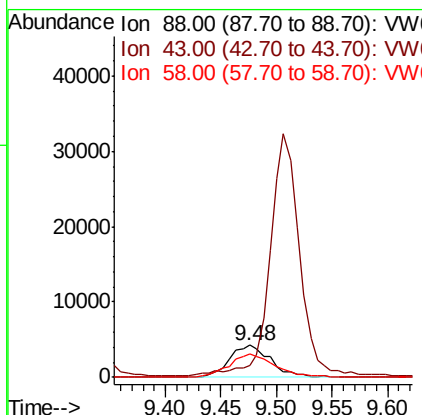
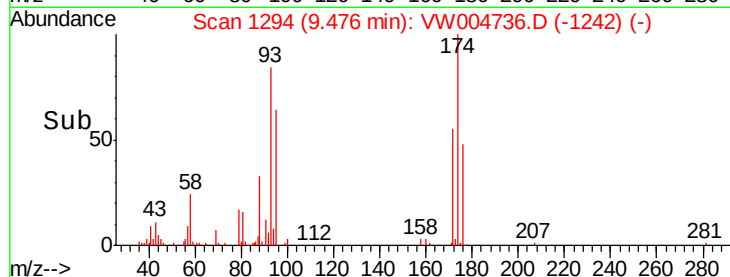
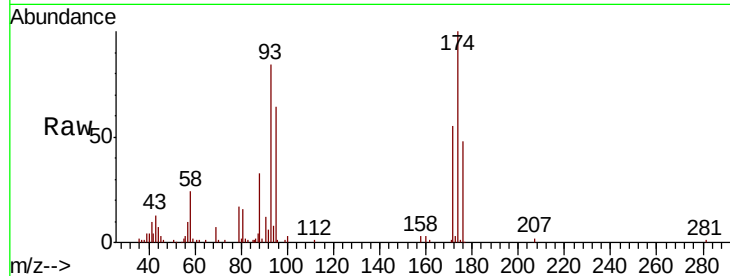
#49
1,4-Dioxane
Concen: 192.74 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.02 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	82.8	60.0	90.0

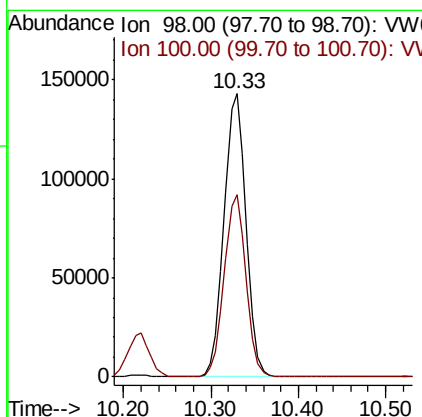
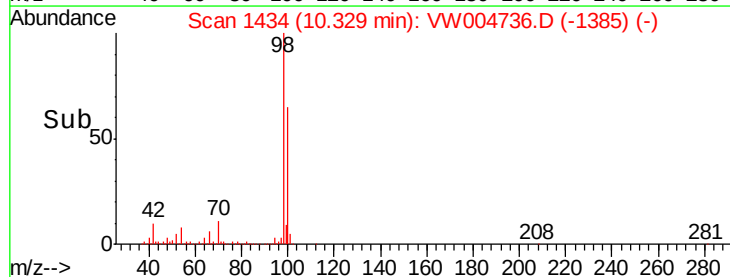
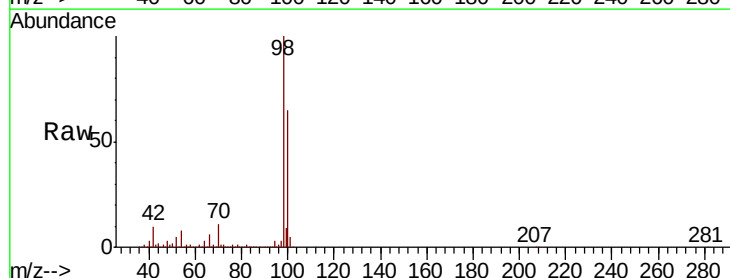
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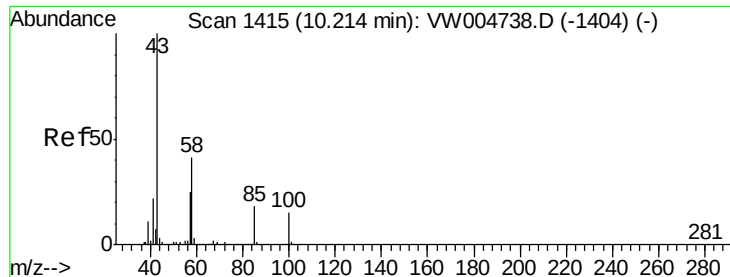
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#50
Toluene-d8
Concen: 9.43 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.8	77.8





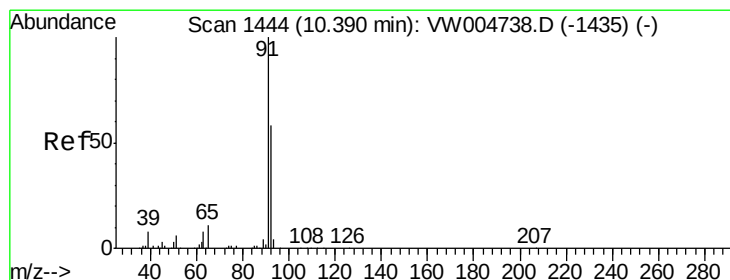
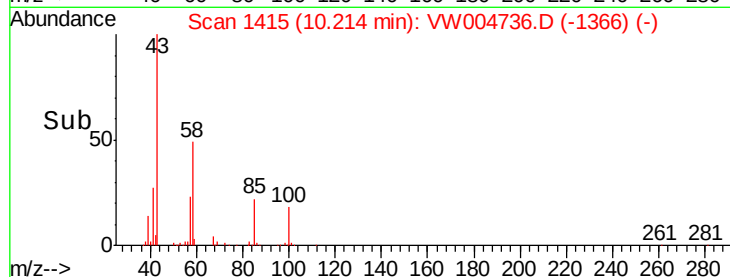
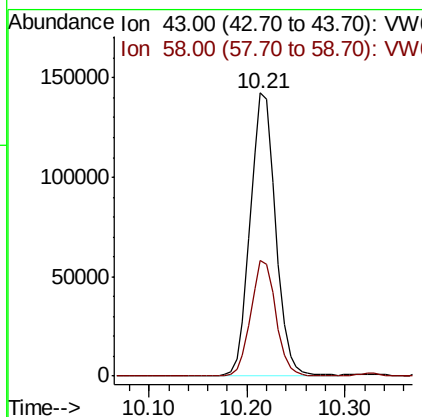
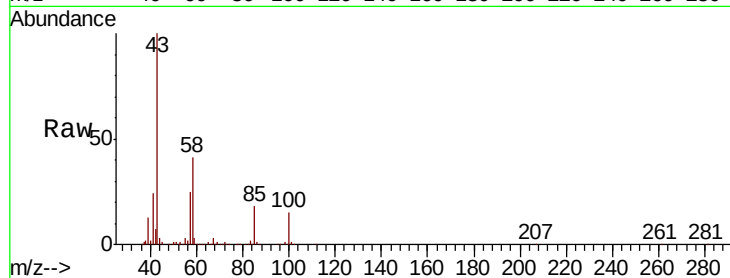
#51
4-Methyl-2-Pentanone
Concen: 48.71 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	256737
Ion Ratio	100	Lower	Upper
43	100		
58	40.6	32.7	49.1

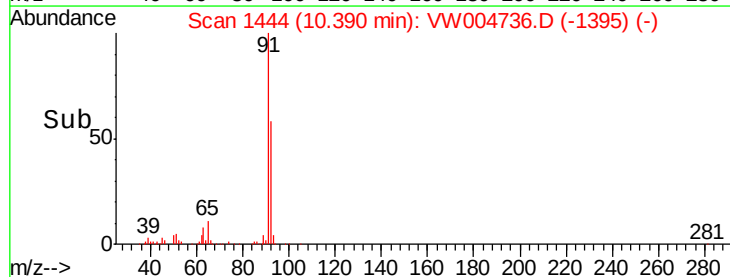
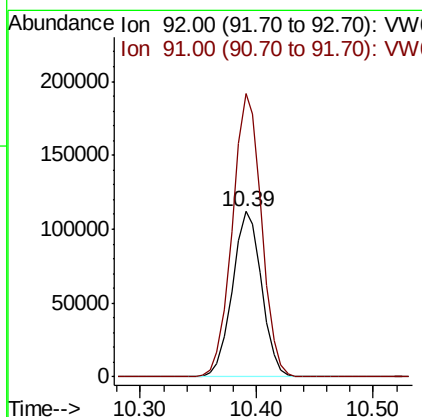
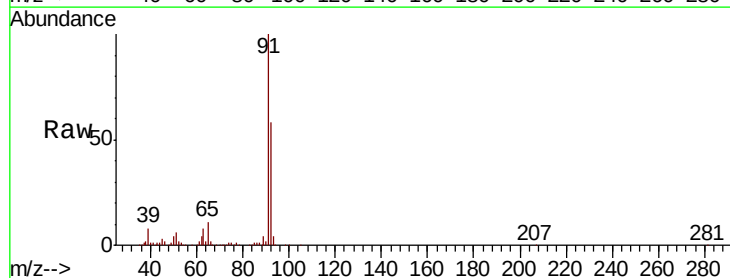
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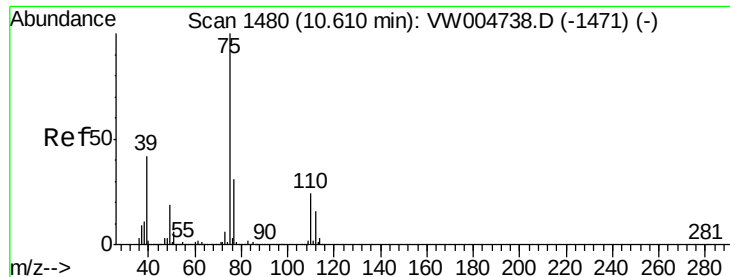
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#52
Toluene
Concen: 10.29 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	92	Resp	195264
Ion Ratio	100	Lower	Upper
92	100		
91	171.3	138.3	207.5





#53

t-1,3-Dichloropropene

Concen: 9.80 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 90484

Ion Ratio Lower Upper

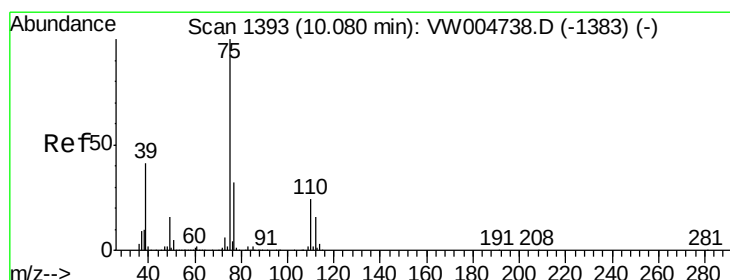
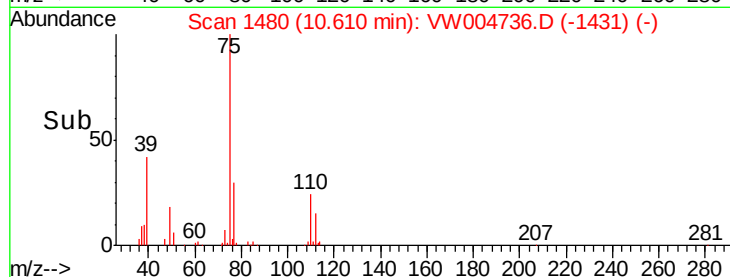
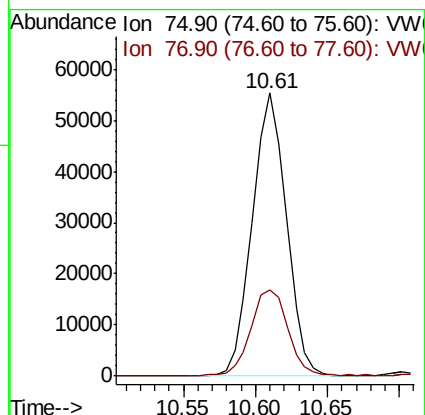
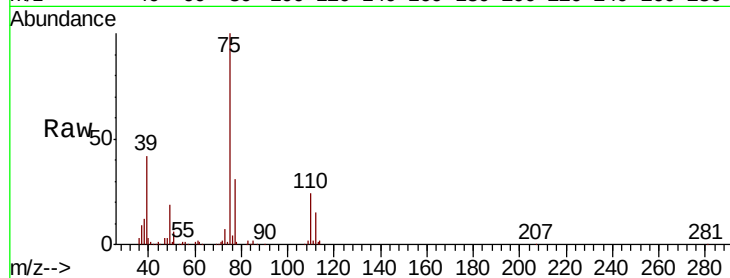
75 100

77 30.4 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 9.79 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

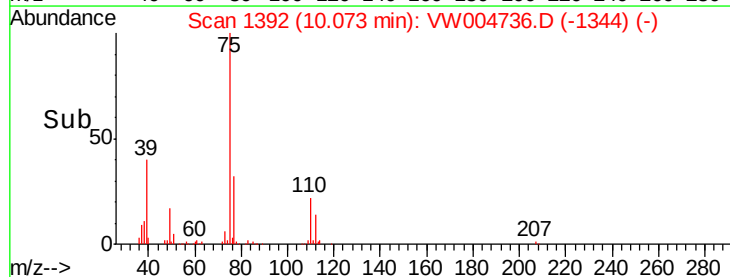
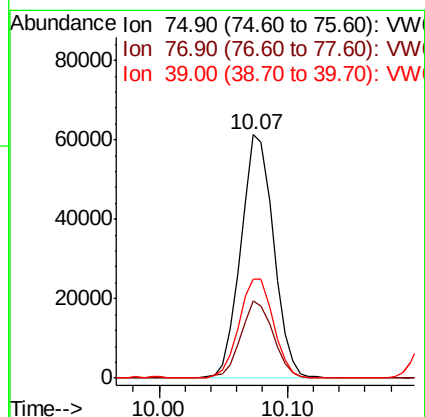
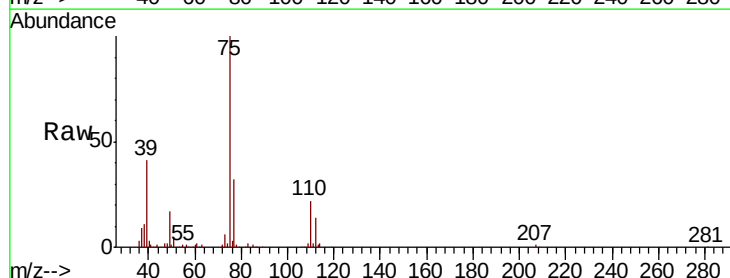
Tgt Ion: 75 Resp: 107743

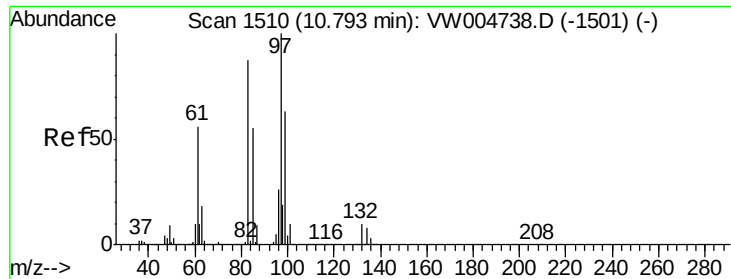
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 40.4 33.0 49.4





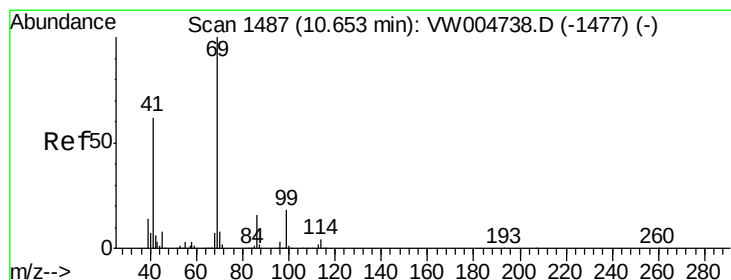
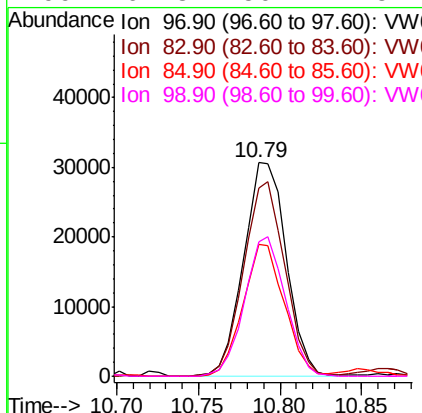
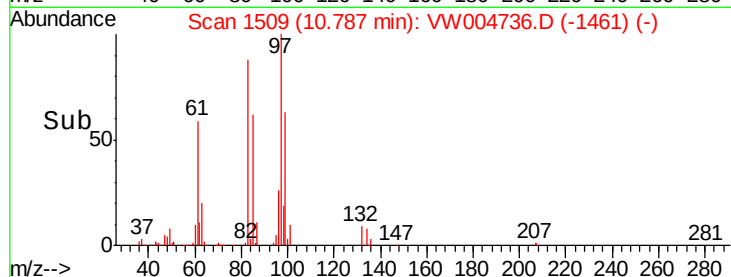
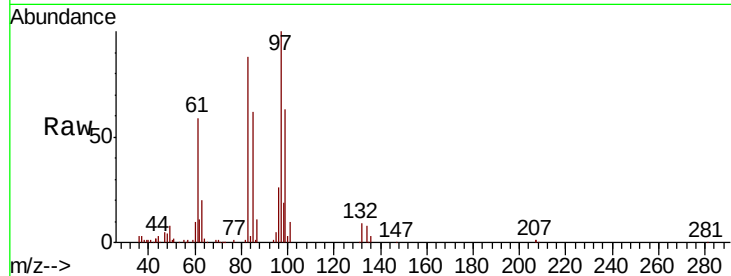
#55
 1,1,2-Trichloroethane
 Concen: 10.26 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	55934
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.2
85	61.5	44.3	66.5
99	62.8	50.2	75.2

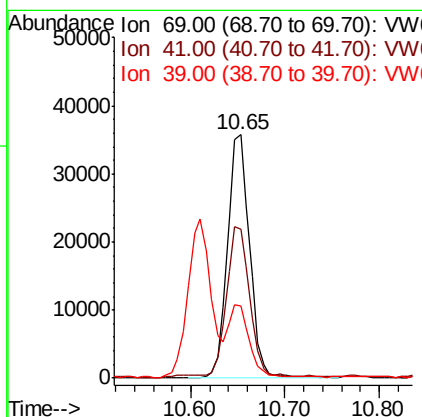
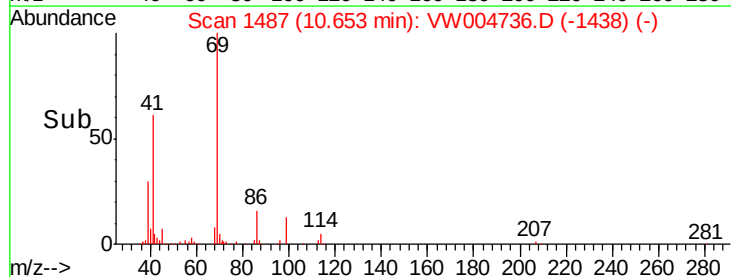
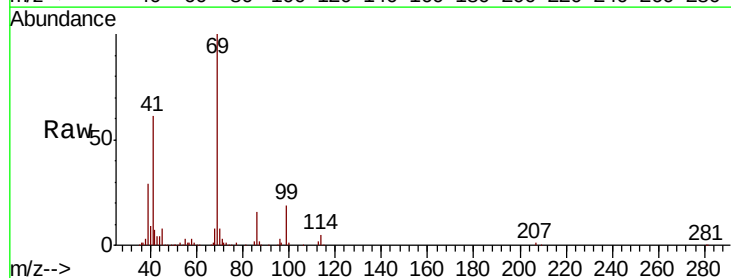
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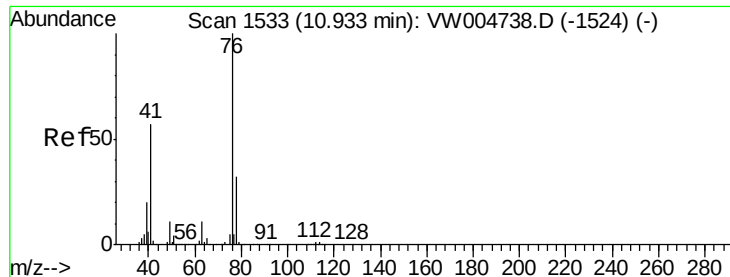
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#56
 Ethyl methacrylate
 Concen: 9.10 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion:	69	Resp:	58605
Ion	Ratio	Lower	Upper
69	100		
41	62.9	50.7	76.1
39	26.1	21.4	32.2





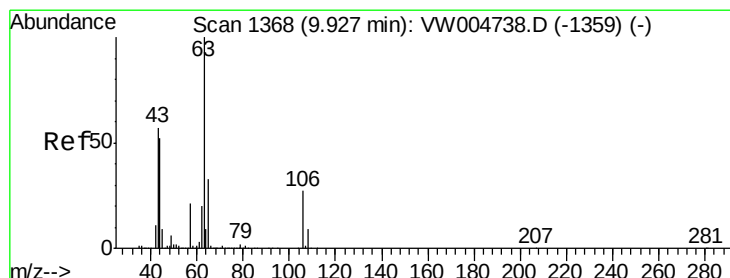
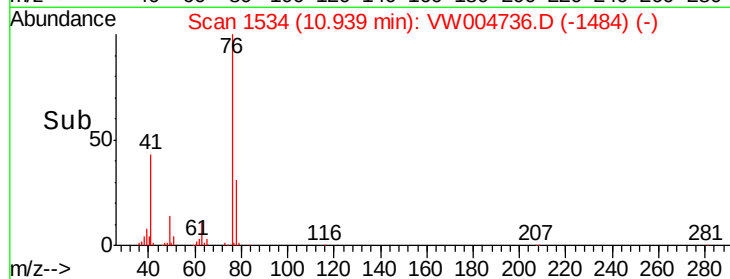
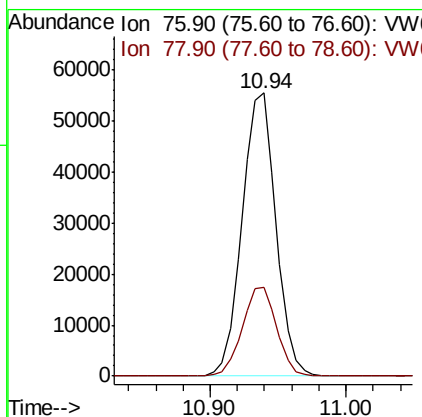
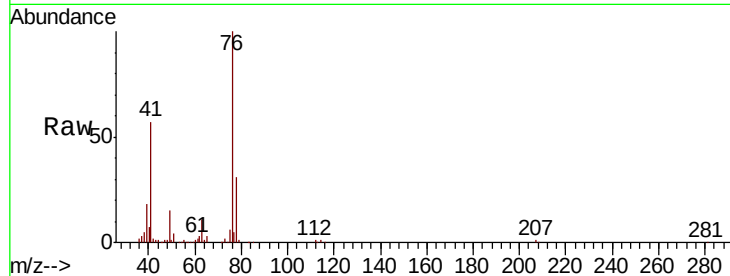
#57
 1,3-Dichloropropane
 Concen: 10.24 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

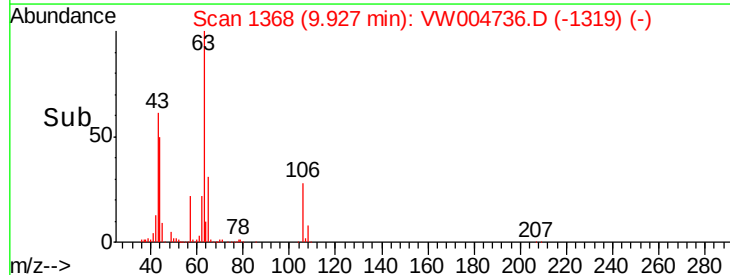
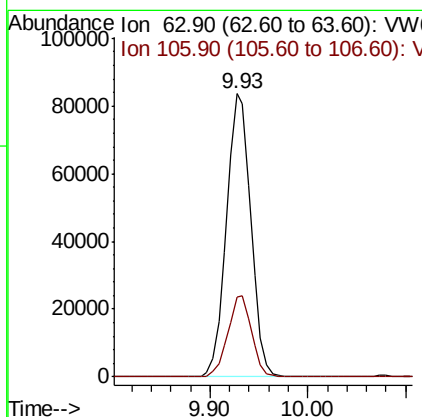
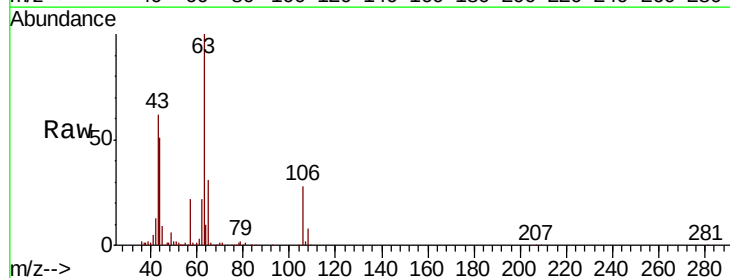
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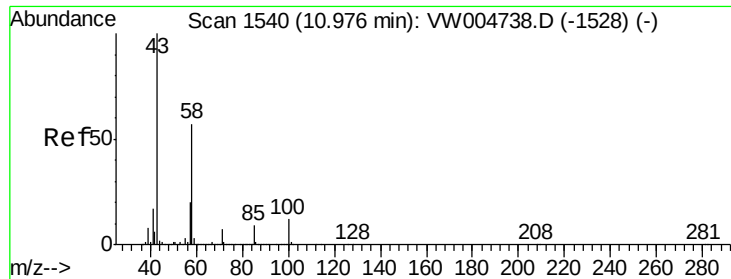
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#58
 2-Chloroethyl Vinyl ether
 Concen: 47.87 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.1	33.1





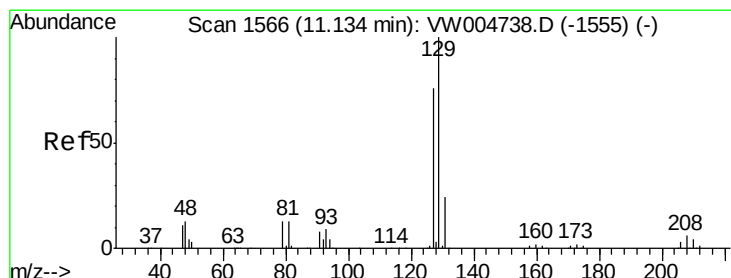
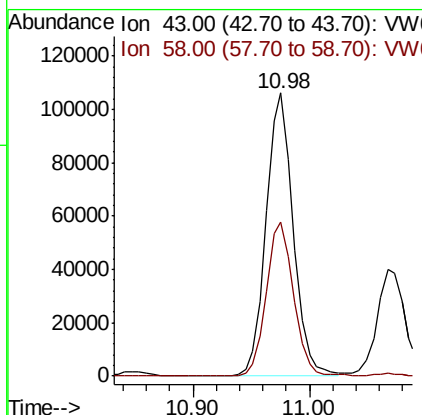
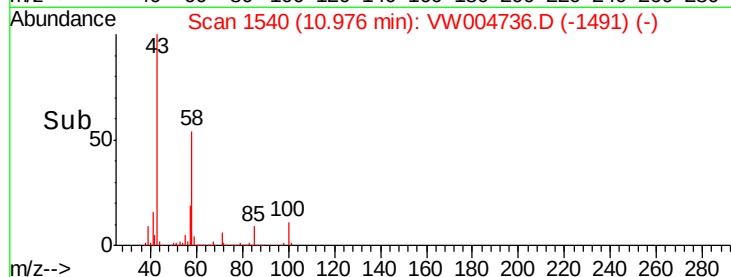
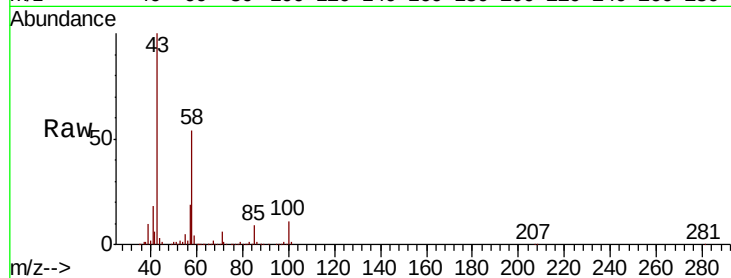
#59
2-Hexanone
Concen: 48.08 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	28.1	84.4

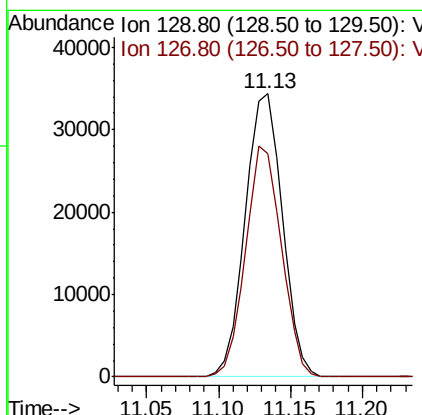
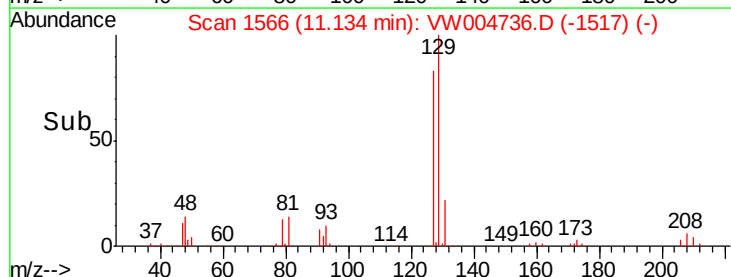
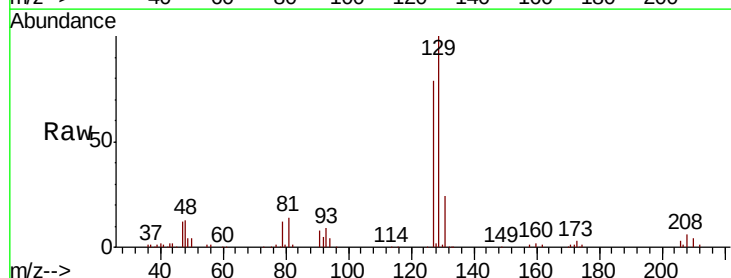
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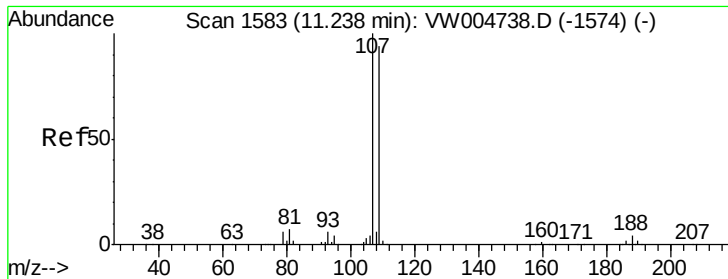
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#60
Dibromochloromethane
Concen: 10.05 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.5	115.5





#61

1,2-Dibromoethane

Concen: 10.27 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 53504

Ion Ratio Lower Upper

107 100

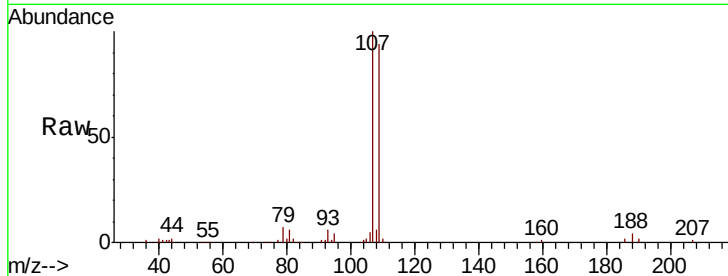
109 93.1 75.5 113.3

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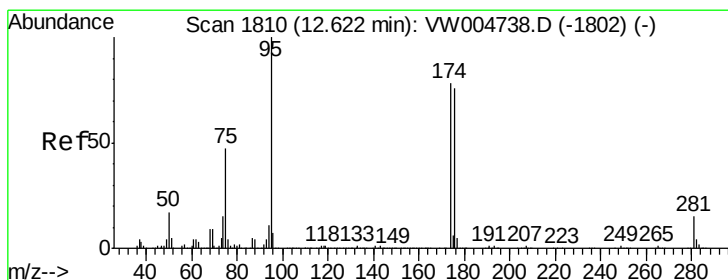
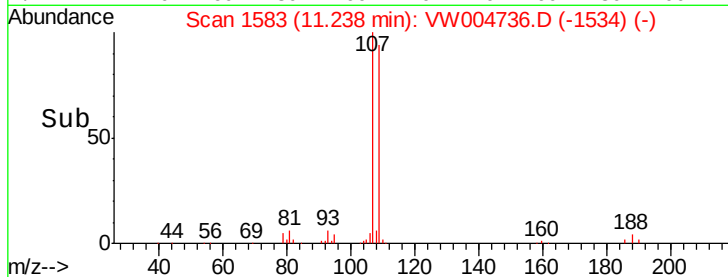
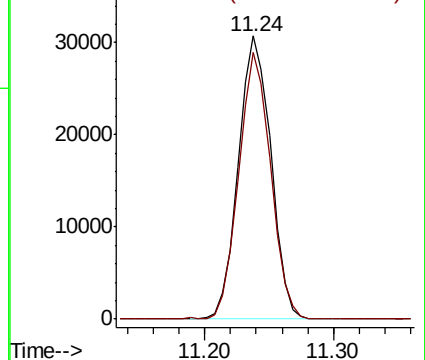
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 9.35 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

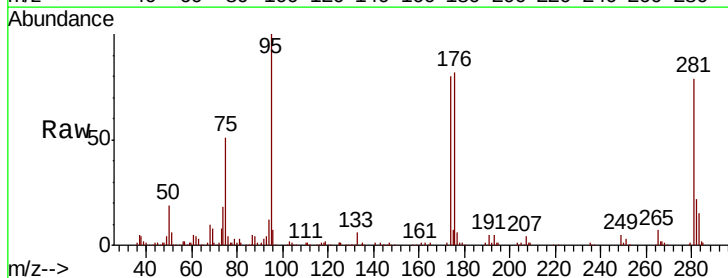
Tgt Ion: 95 Resp: 88693

Ion Ratio Lower Upper

95 100

174 82.1 0.0 165.8

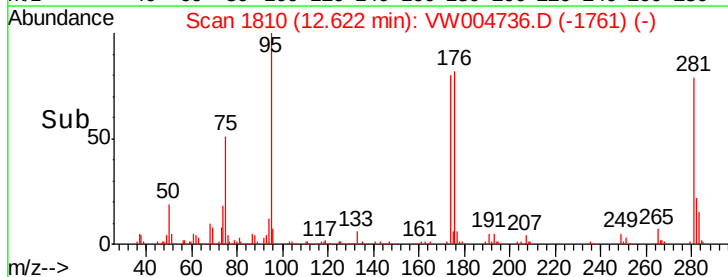
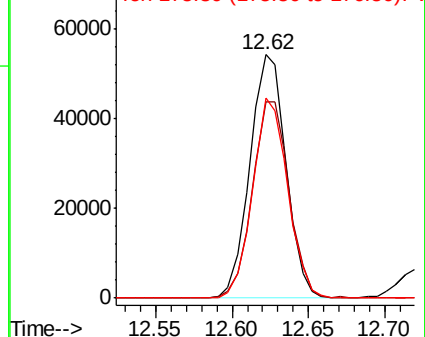
176 79.9 0.0 159.8

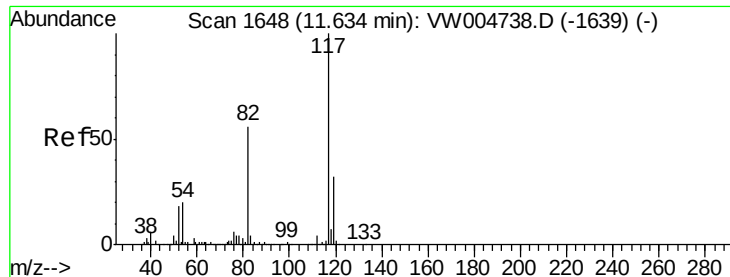


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





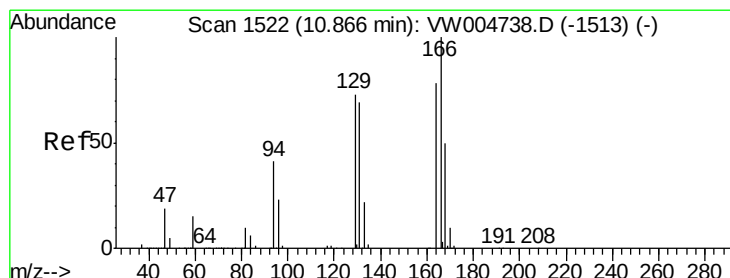
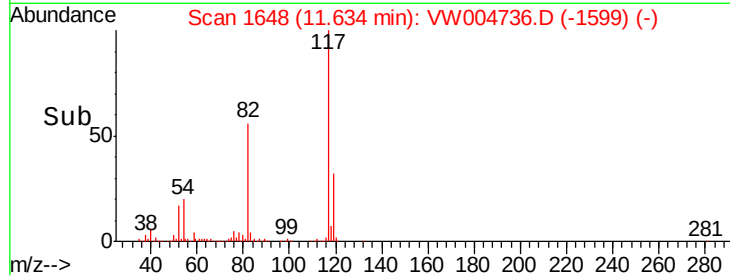
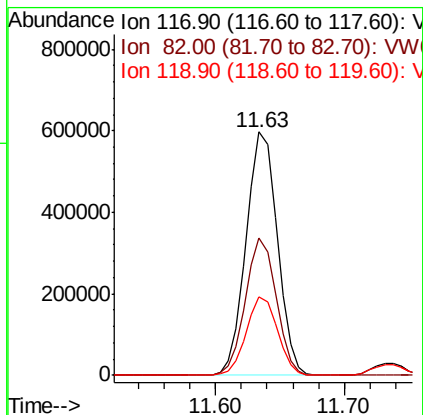
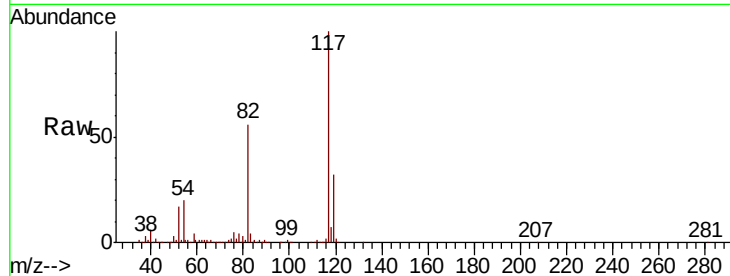
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.6	67.0
119	32.3	25.6	38.4

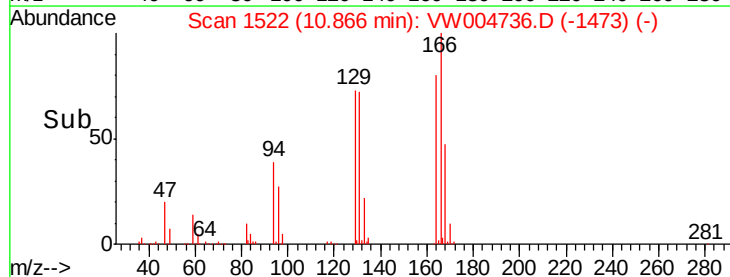
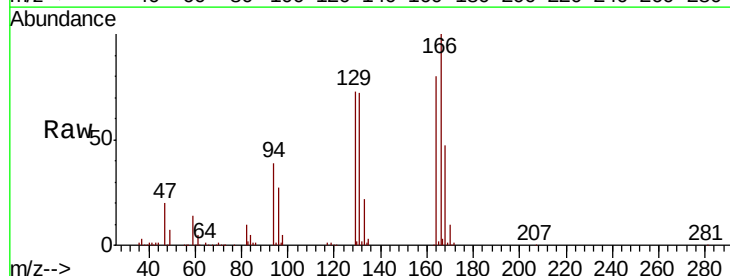
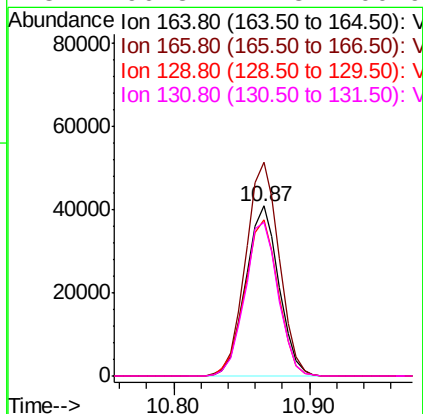
Manual Integrations
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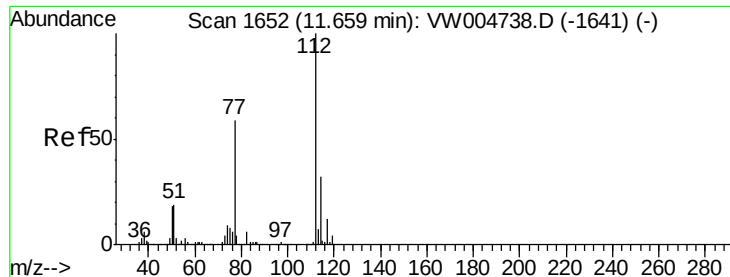
apatel
8/20/2018 9:53:42 AM



#64
Tetrachloroethene
Concen: 10.23 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.5	153.7
129	91.6	75.1	112.7
131	90.3	71.3	106.9





#65

Chlorobenzene

Concen: 10.20 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 219897

Ion Ratio Lower Upper

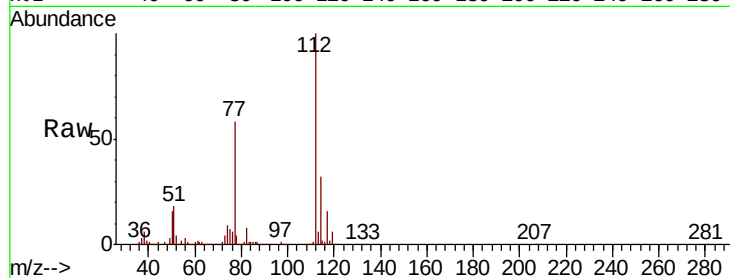
112 100

114 31.9 25.4 38.2

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

150000

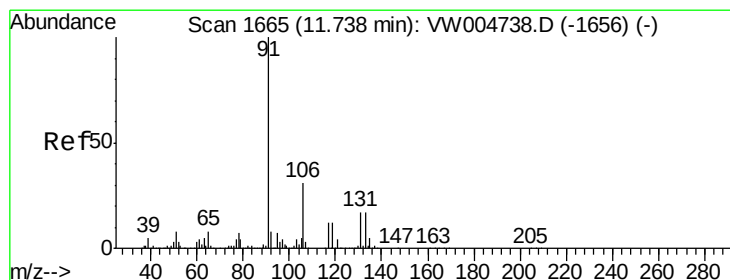
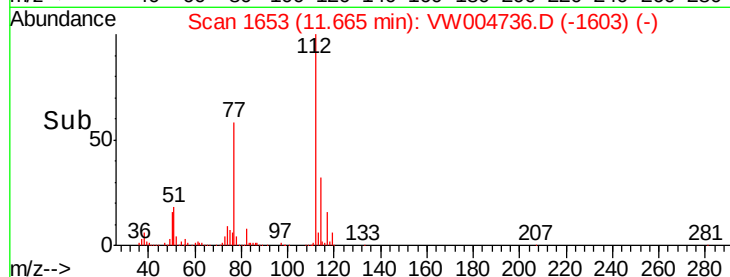
11.66

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 10.02 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

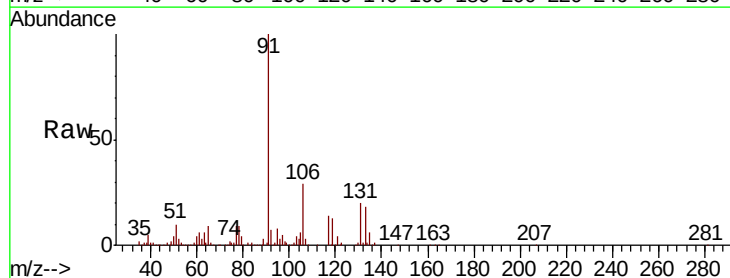
Tgt Ion:131 Resp: 72945

Ion Ratio Lower Upper

131 100

133 94.0 48.2 144.6

119 66.4 34.0 102.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

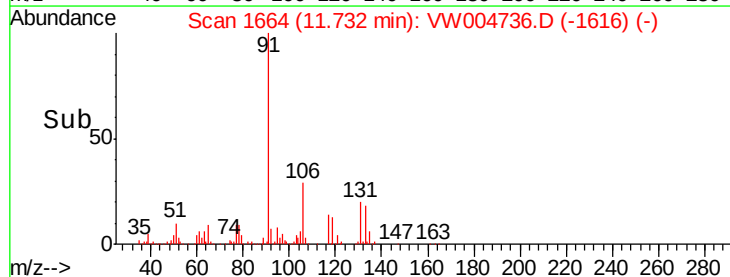
150000

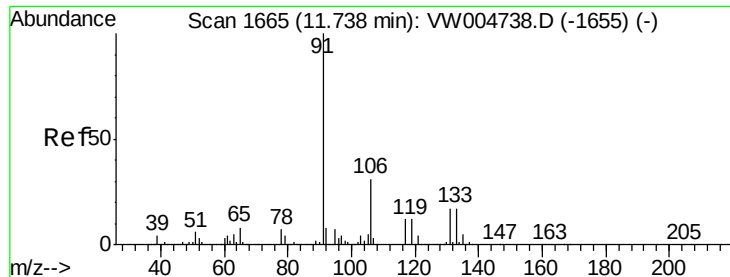
100000

50000

0

Time-->





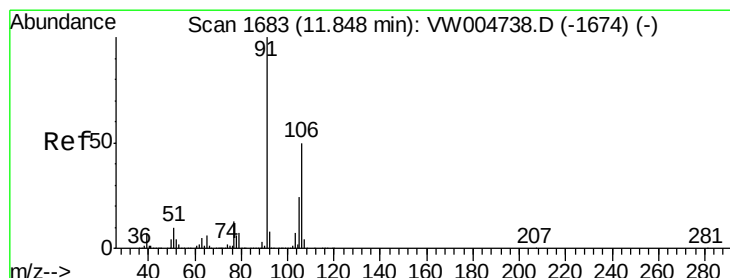
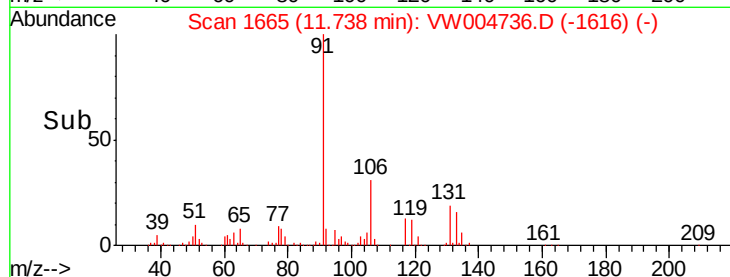
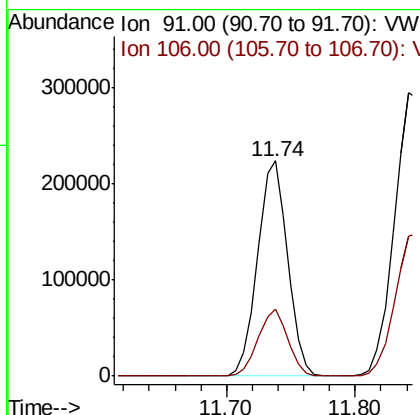
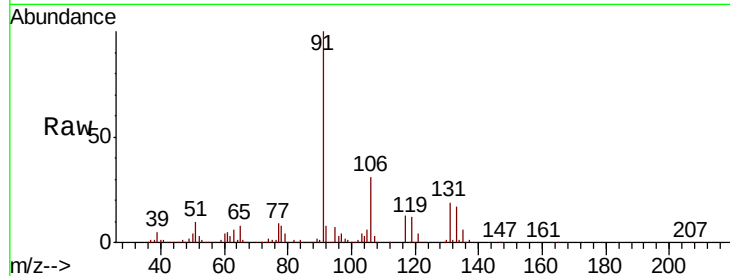
#67
Ethyl Benzene
Concen: 9.82 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.9	37.3

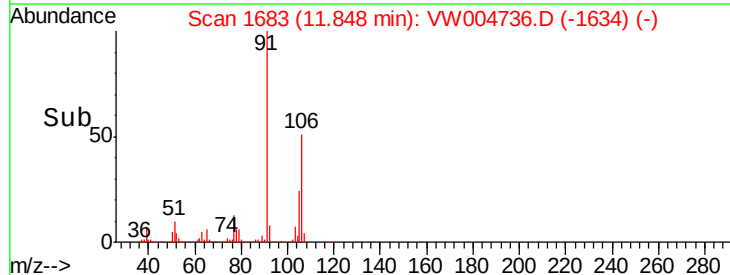
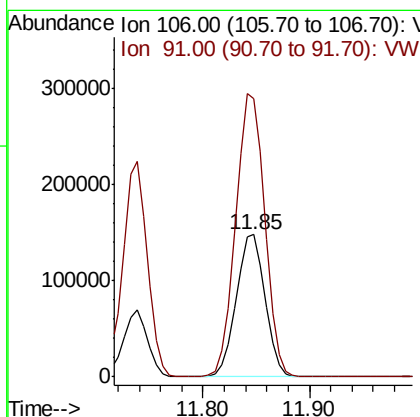
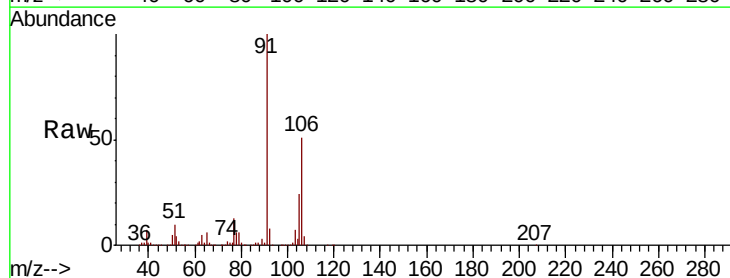
Manual Integrations
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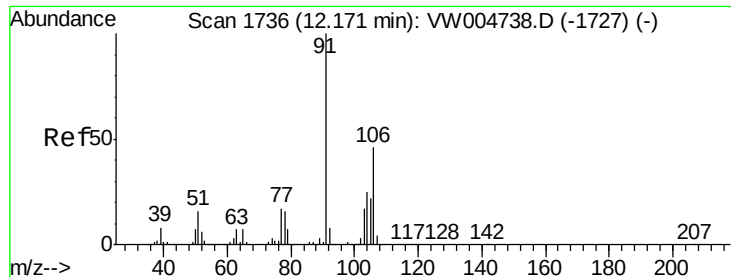
apatel
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#68
m/p-Xylenes
Concen: 19.74 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.2	159.9	239.9





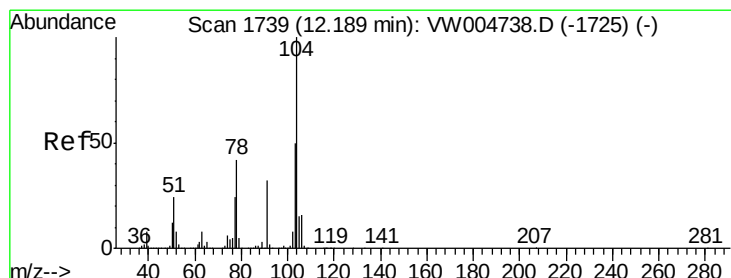
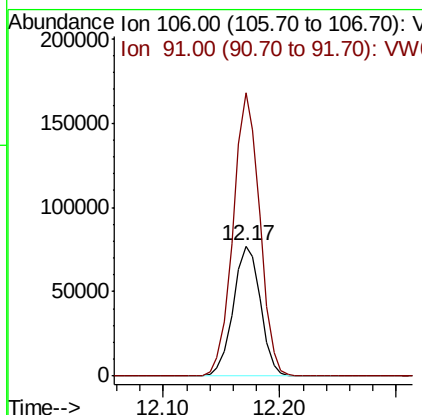
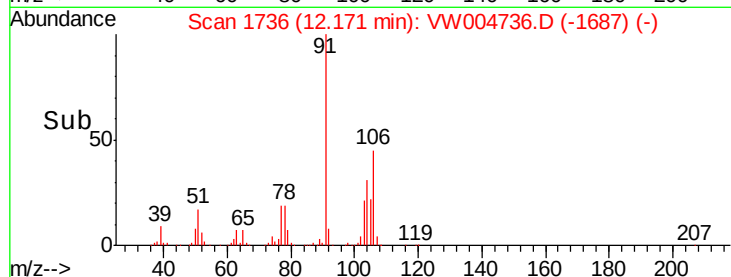
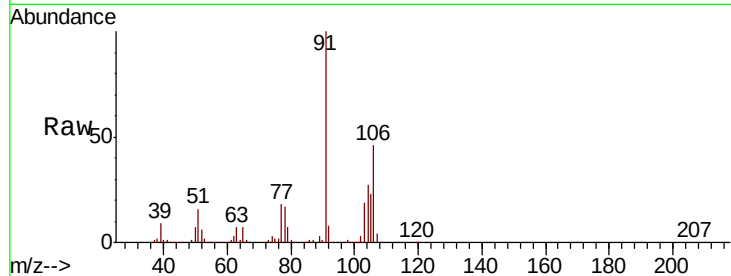
#69
o-Xylene
Concen: 9.56 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.6	107.3	321.8

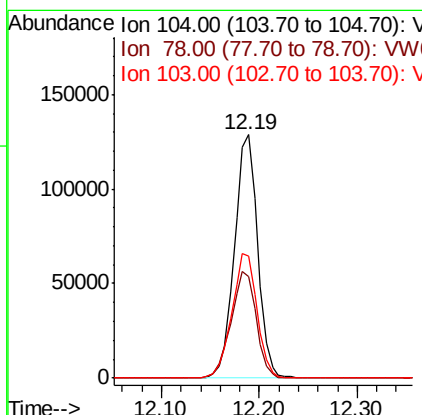
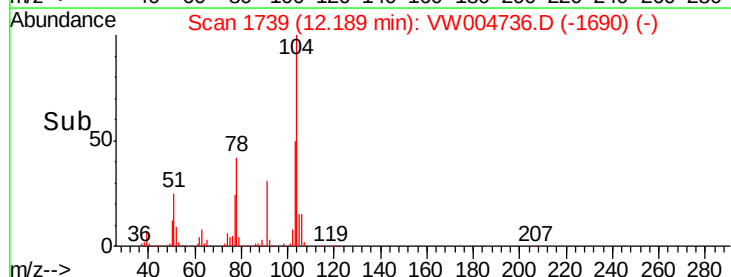
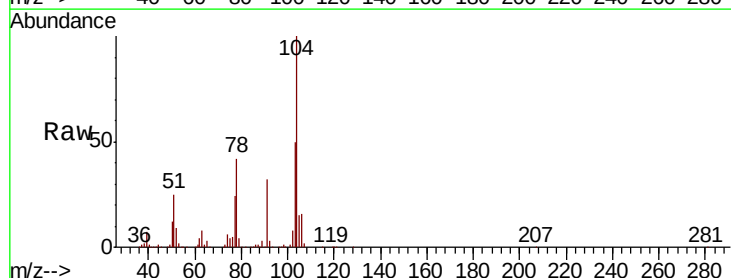
Manual Integrations
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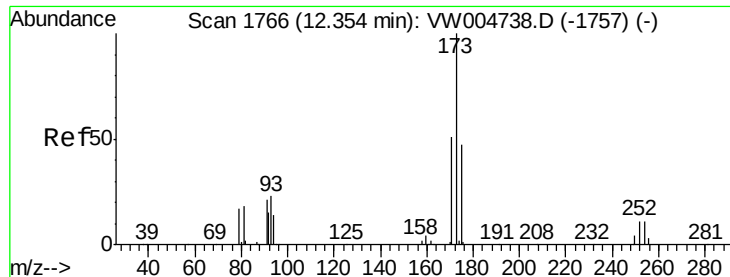
apatel
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#70
Styrene
Concen: 9.58 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.4	57.6
103	55.2	44.1	66.1





#71

Bromoform

Concen: 9.96 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 38252

Ion Ratio Lower Upper

173 100

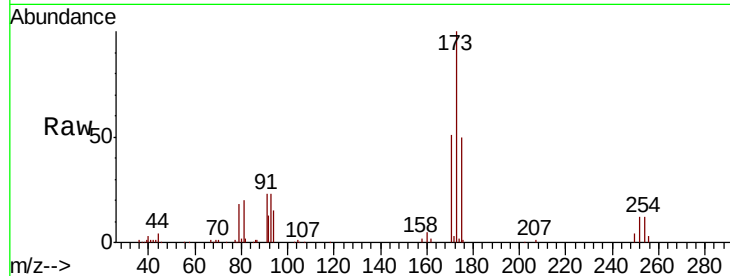
175 49.2 23.8 71.4

254 0.0 0.1 0.1#

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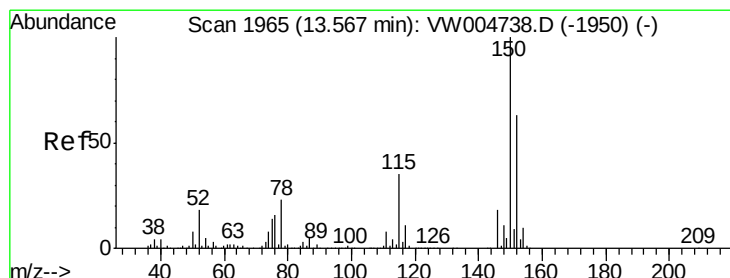
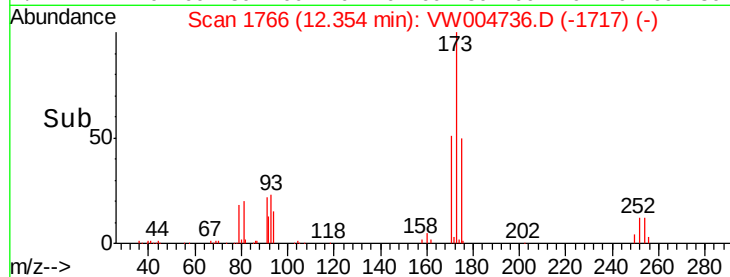
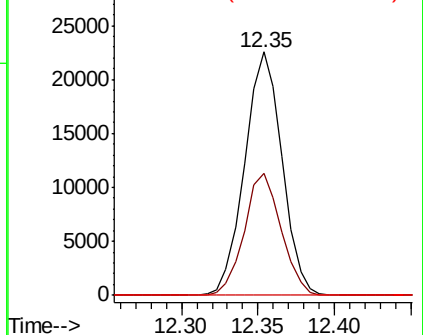
8/20/2018 9:53:42 AM



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: VW004736.D

Acq: 17 Aug 2018 16:20

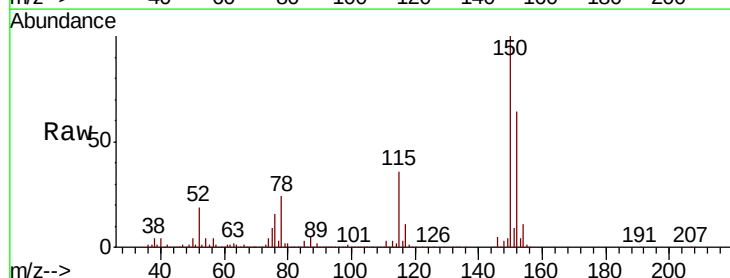
Tgt Ion:152 Resp: 539492

Ion Ratio Lower Upper

152 100

115 56.8 28.5 85.5

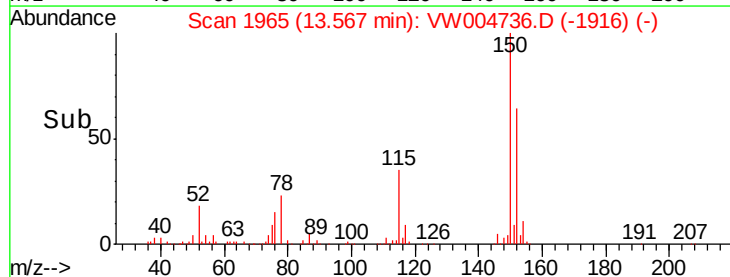
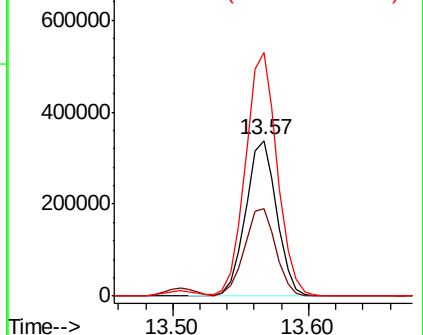
150 160.0 0.0 344.8

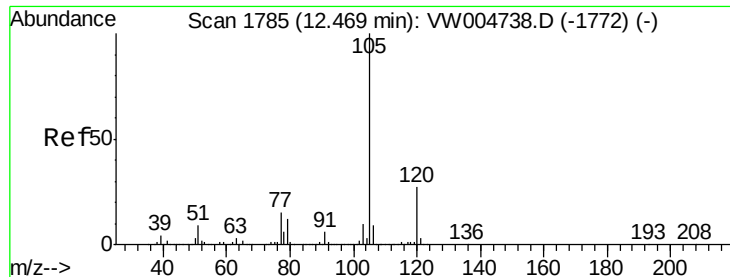


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.61 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 105 Resp: 352671

Ion Ratio Lower Upper

105 100

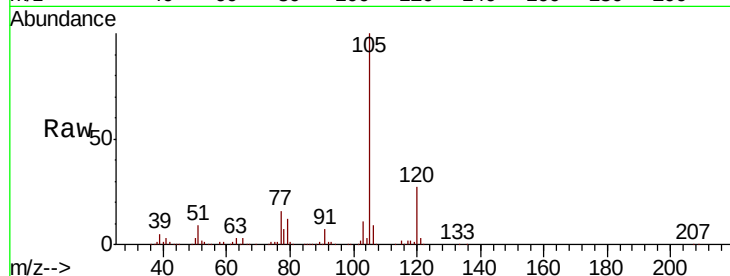
120 26.7 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

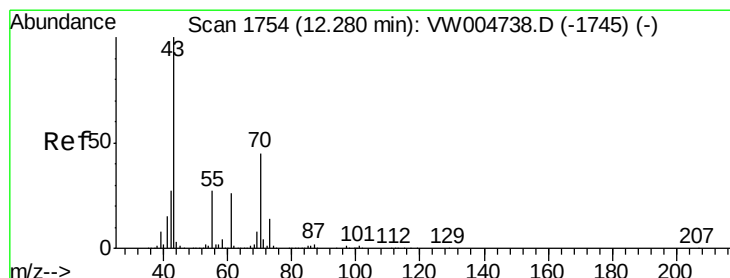
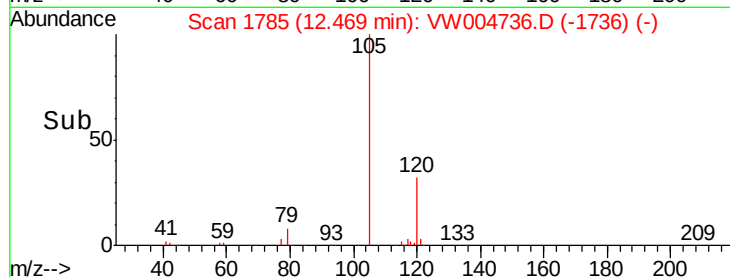
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 9.04 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion: 43 Resp: 69551

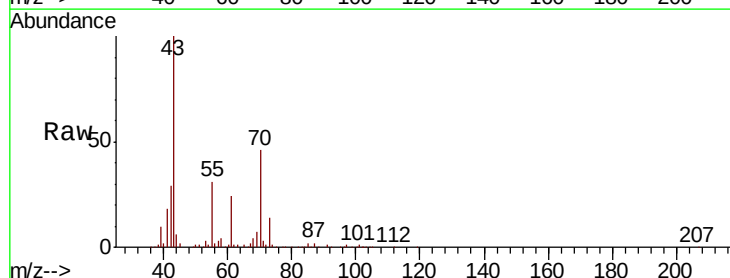
Ion Ratio Lower Upper

43 100

70 45.1 36.3 54.5

55 31.5 22.6 33.8

61 25.0 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

40000

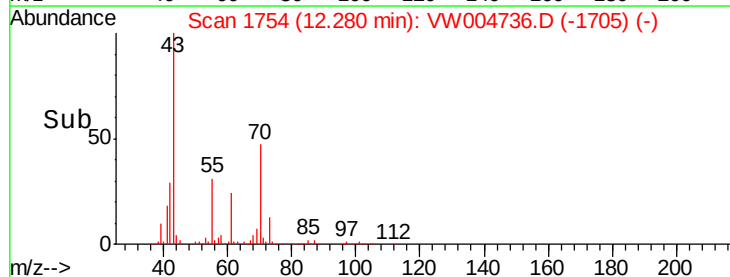
20000

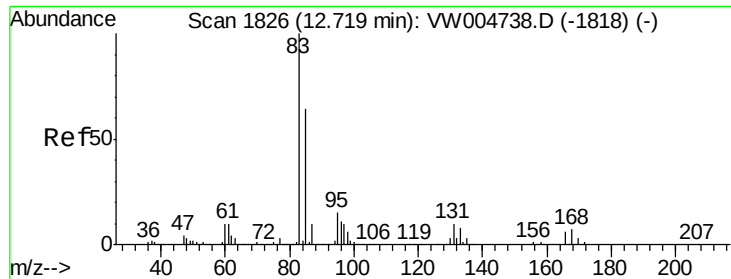
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.17 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Instrument :

MSVOA_W

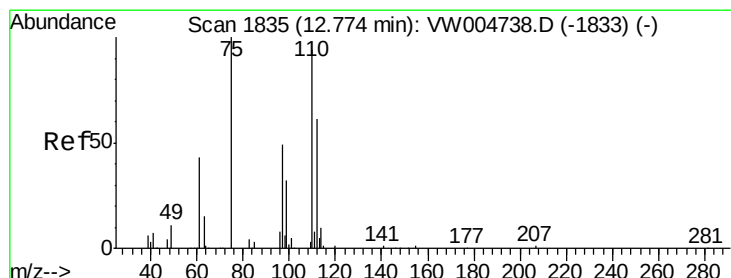
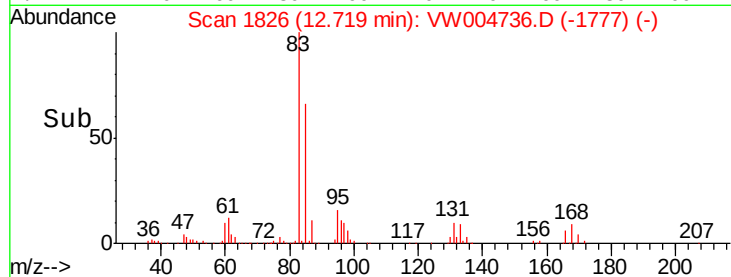
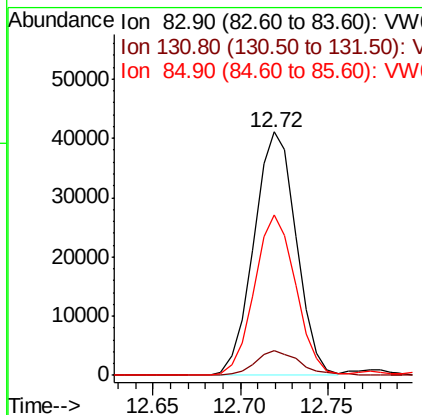
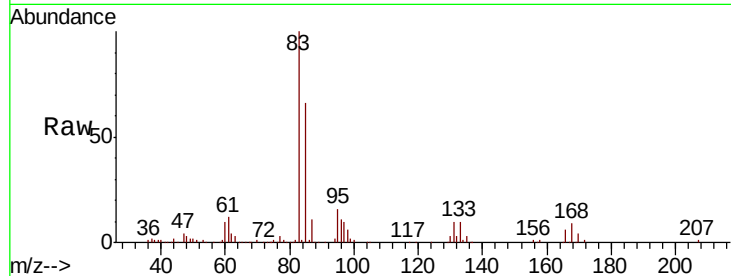
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	69131
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.2	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 6.78 ug/l m

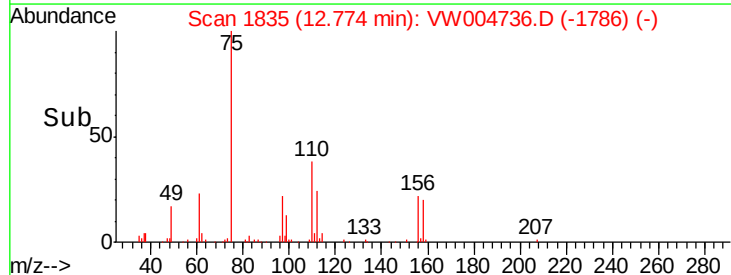
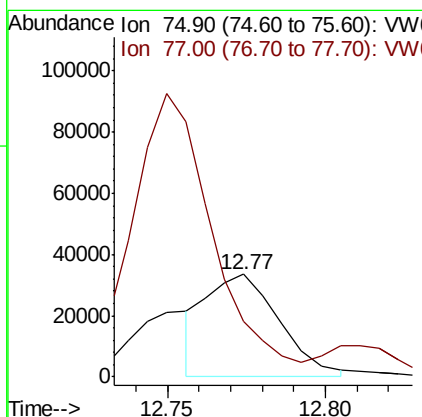
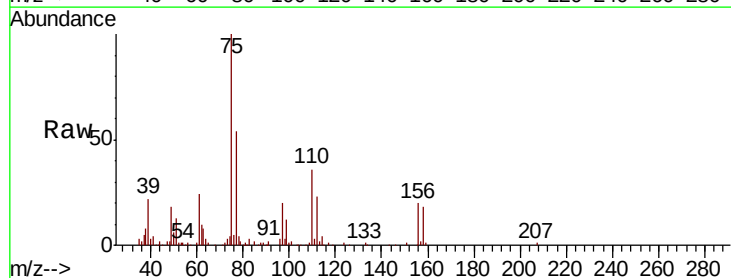
RT: 12.77 min Scan# 1835

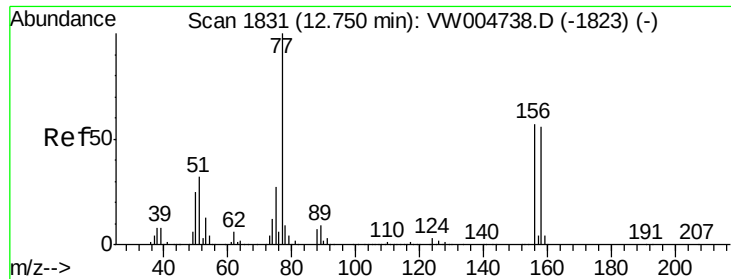
Delta R.T. -0.00 min

Lab File: VW004736.D

Acq: 17 Aug 2018 16:20

Tgt Ion:	75	Resp:	54188
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





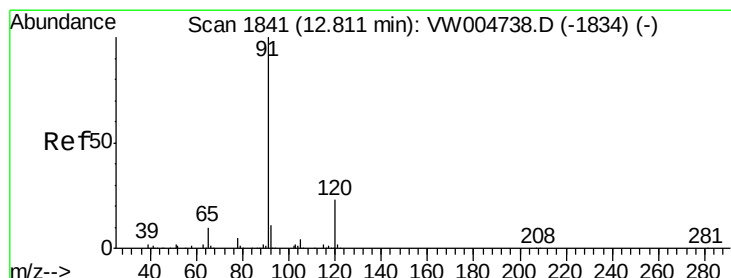
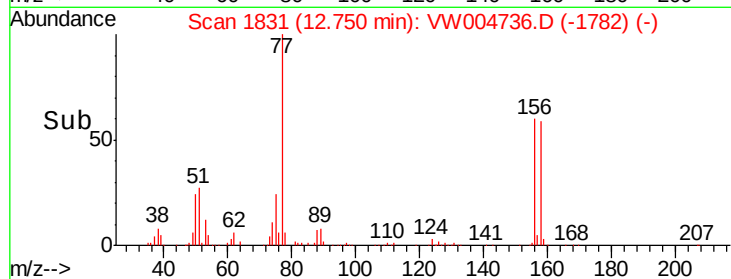
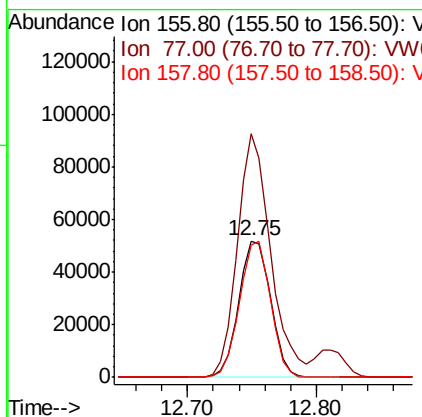
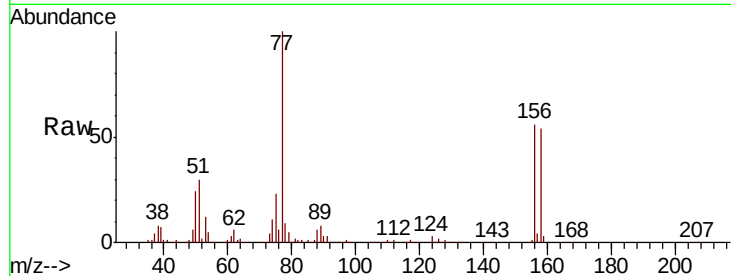
#77
Bromobenzene
Concen: 9.97 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.1	94.2	282.4
158	96.9	48.6	145.9

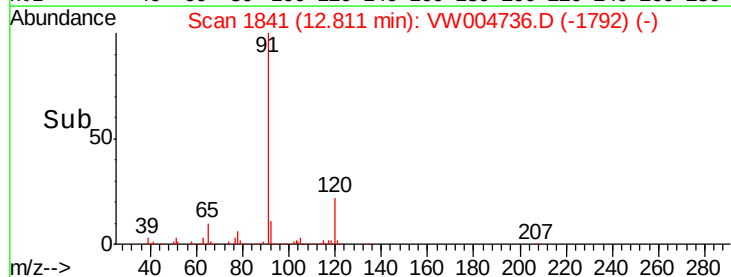
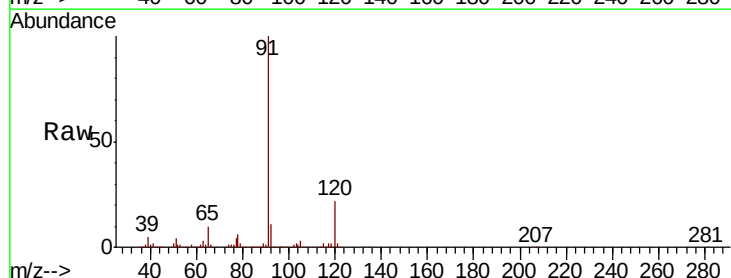
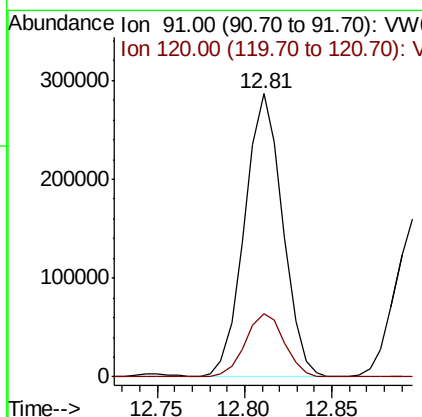
Manual Integrations
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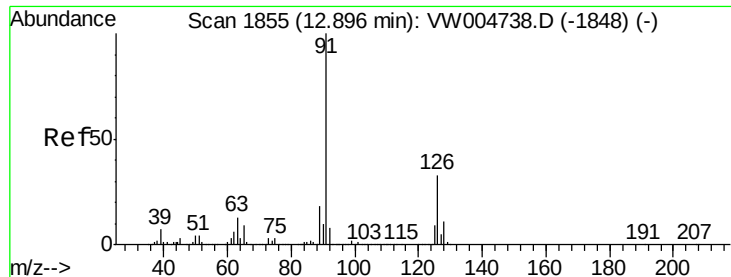
apatel
8/20/2018 9:53:42 AM



#78
n-propylbenzene
Concen: 9.65 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2





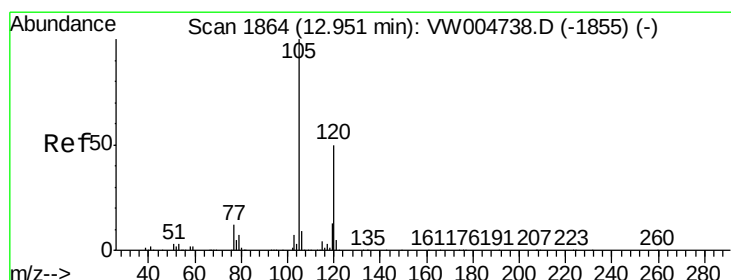
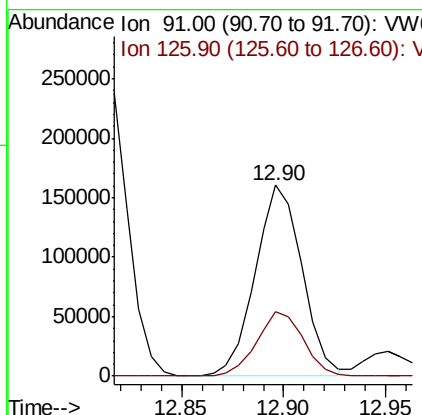
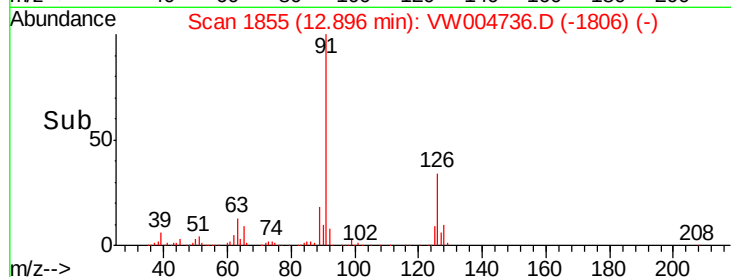
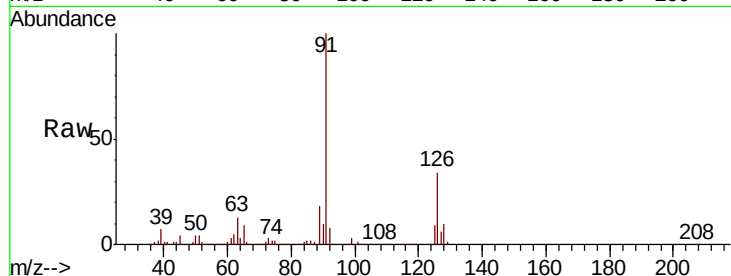
#79
 2-Chlorotoluene
 Concen: 9.88 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 91 Resp: 255080
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.0 51.0

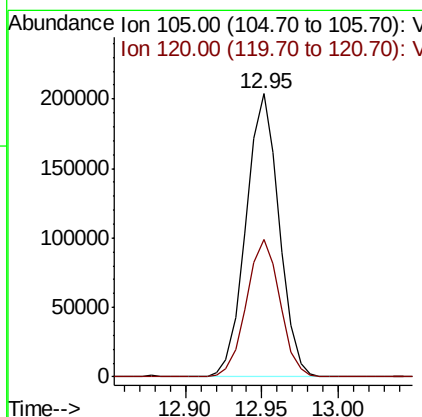
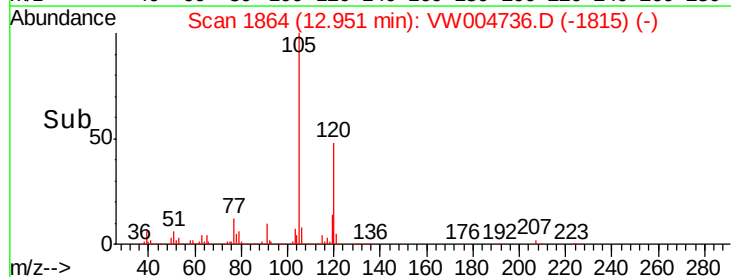
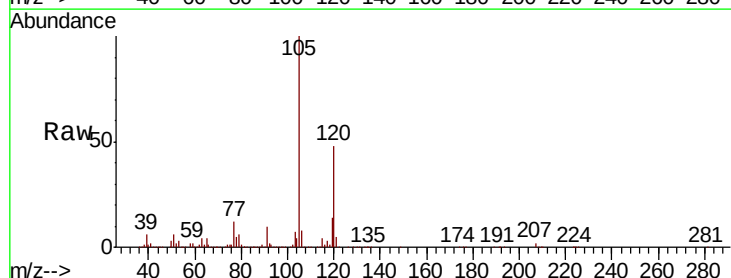
Manual Integrations
 APPROVED

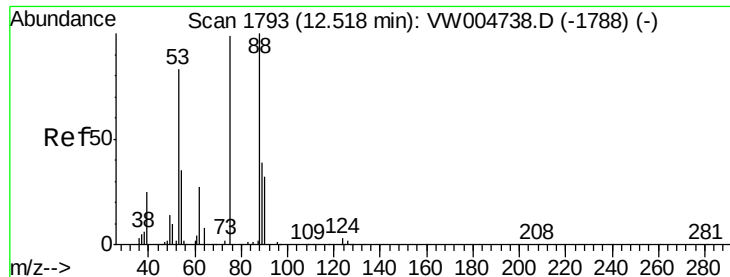
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 9.82 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion: 105 Resp: 306123
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.7 74.1





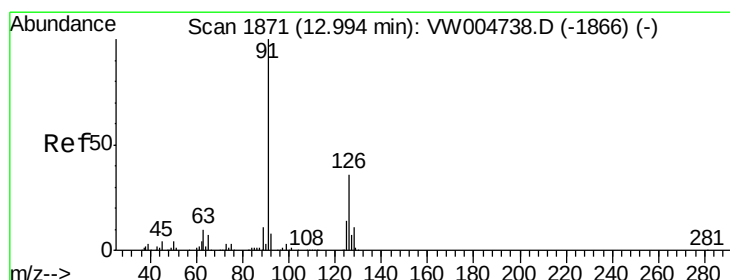
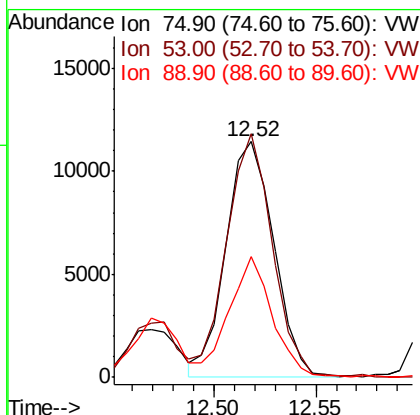
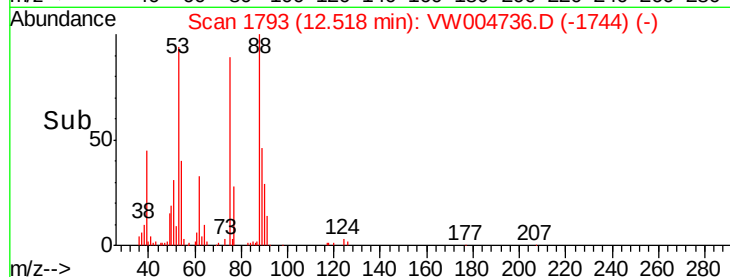
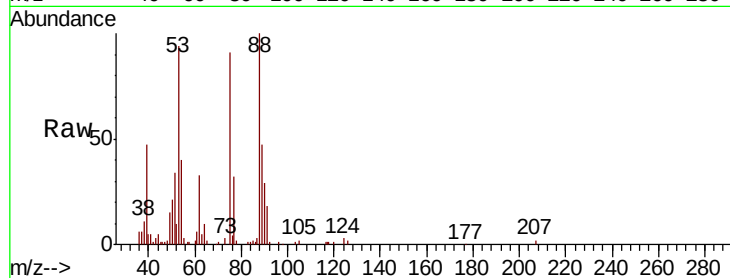
#81
trans-1,4-Dichloro-2-butene
Concen: 9.12 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	72.2	108.4
89	45.5	35.2	52.8

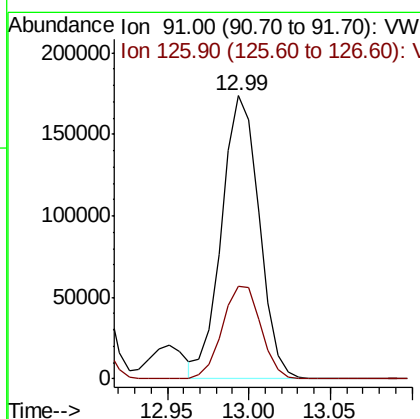
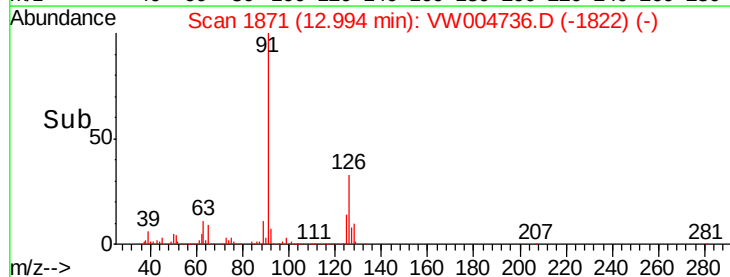
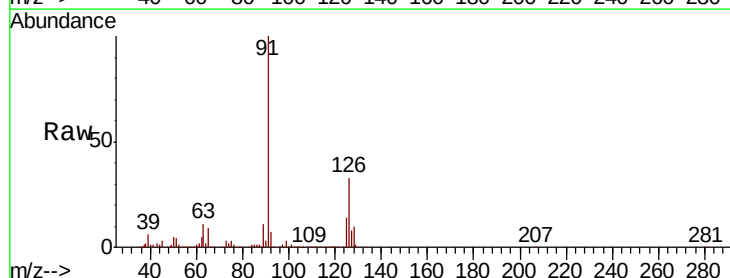
Manual Integrations
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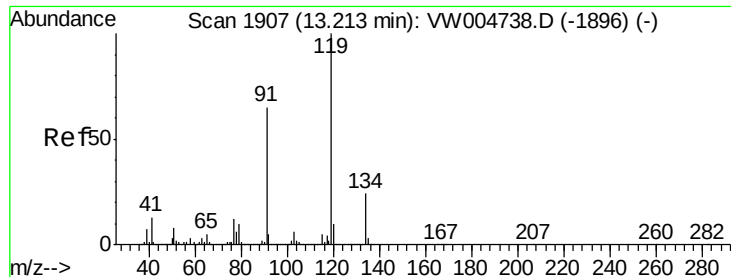
apatel
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#82
4-Chlorotoluene
Concen: 10.11 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.7





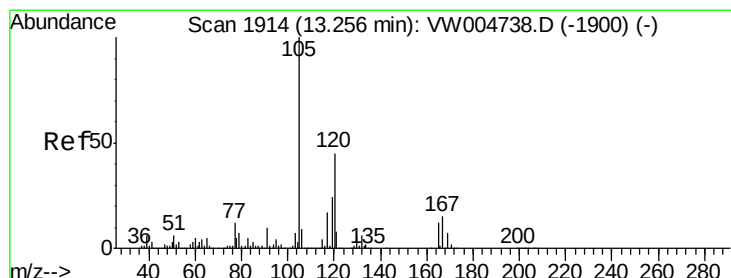
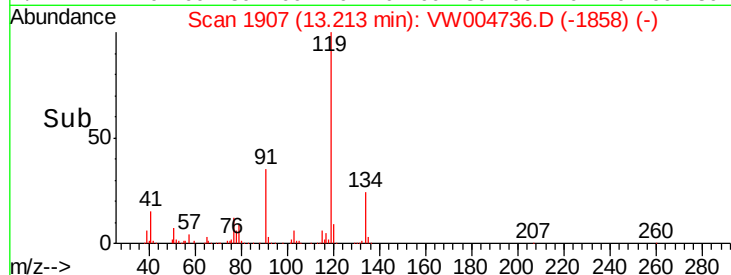
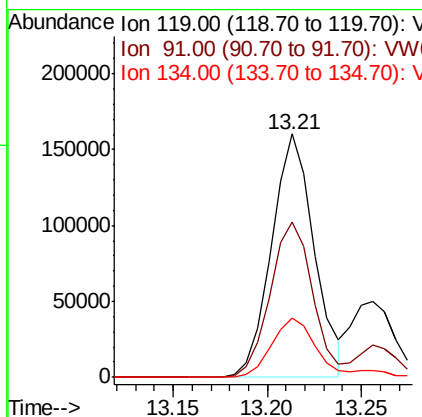
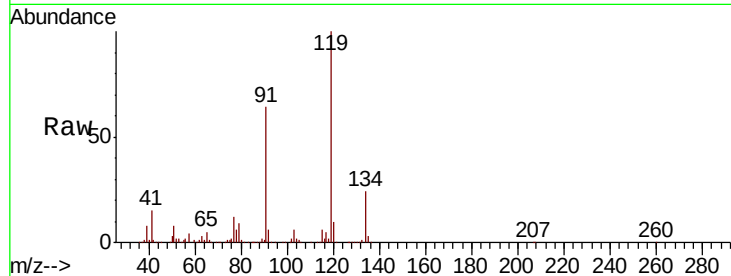
#83
 tert-Butylbenzene
 Concen: 9.42 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		251336		
91	63.5	32.6	97.8		
134	27.0	13.1	39.3		

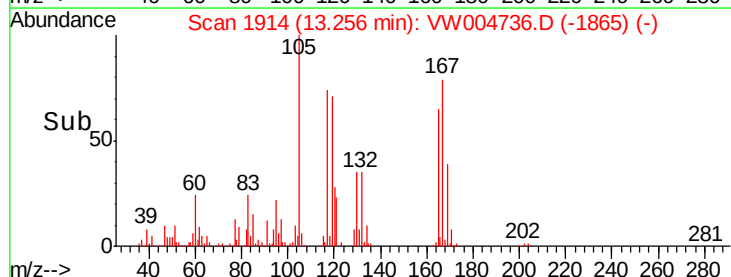
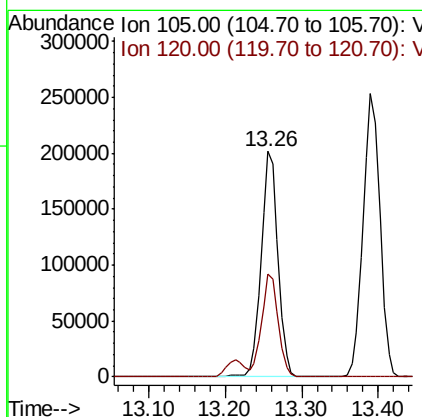
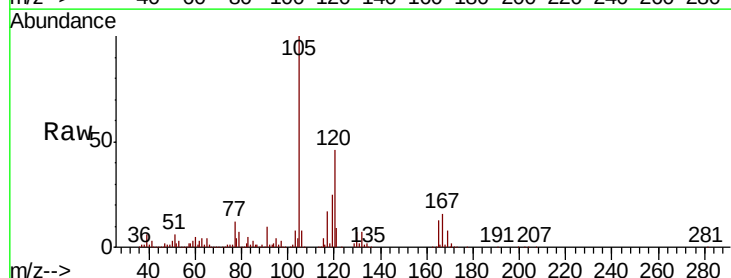
Manual Integrations
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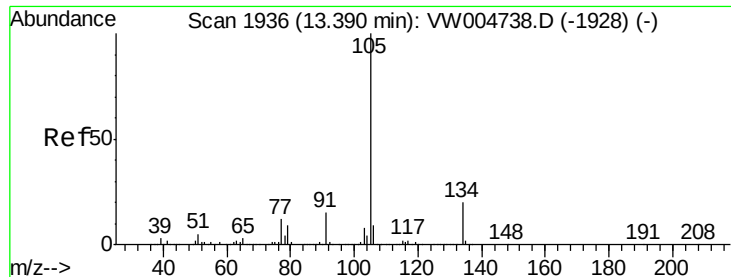
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.75 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		312777		
120	45.0	22.8	68.3		





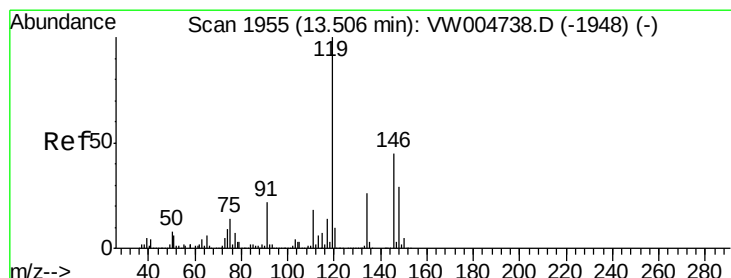
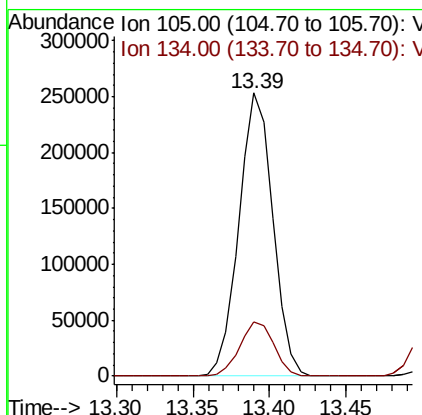
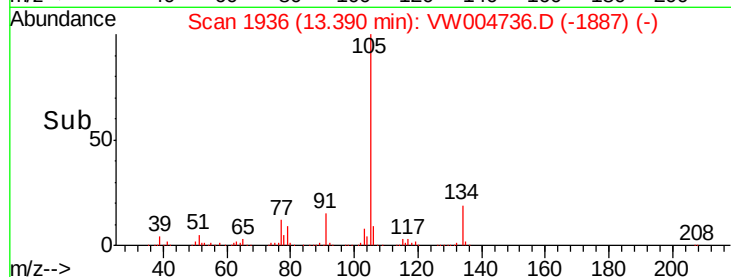
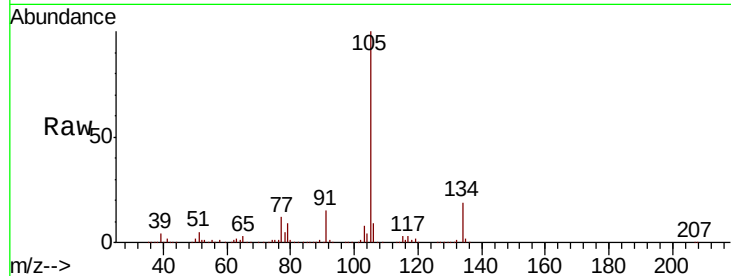
#85
 sec-Butylbenzene
 Concen: 9.78 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.0	29.8

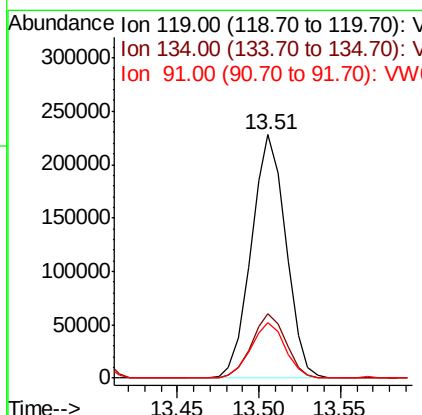
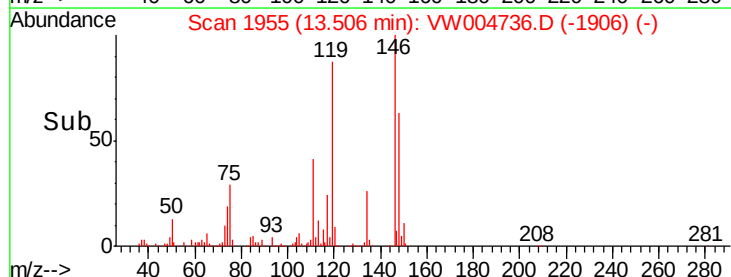
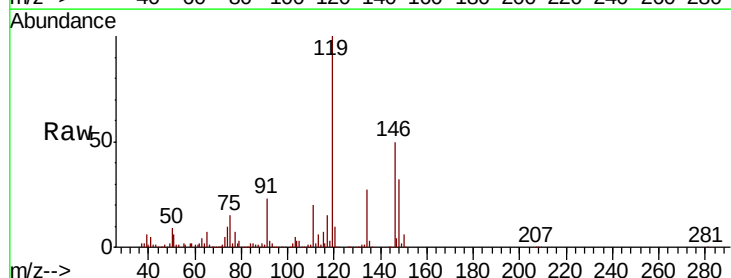
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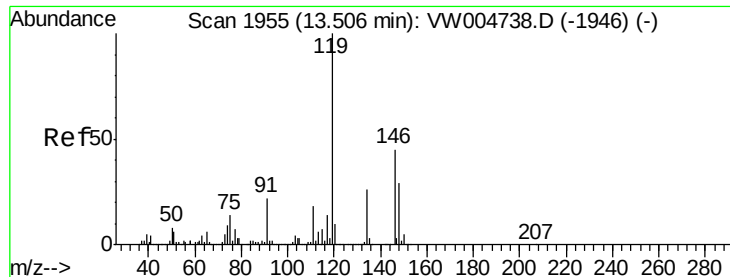
apatel
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#86
 p-Isopropyltoluene
 Concen: 9.70 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

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





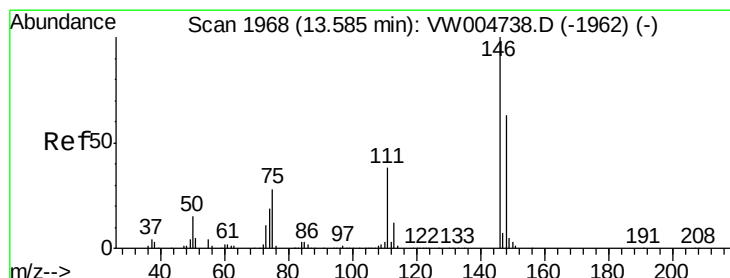
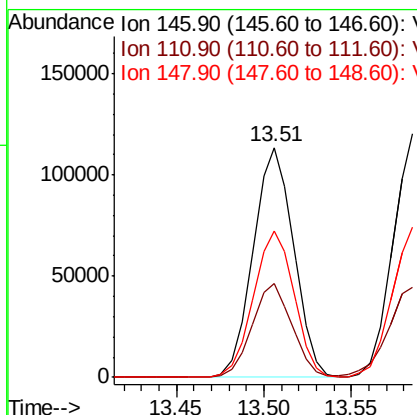
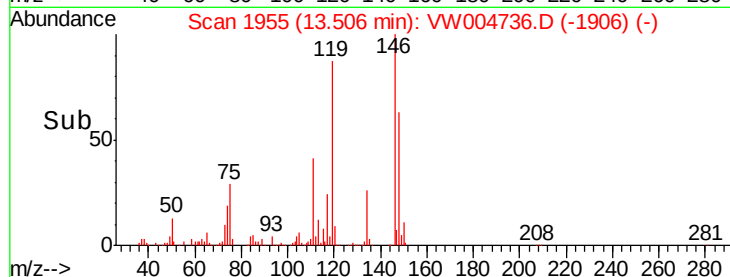
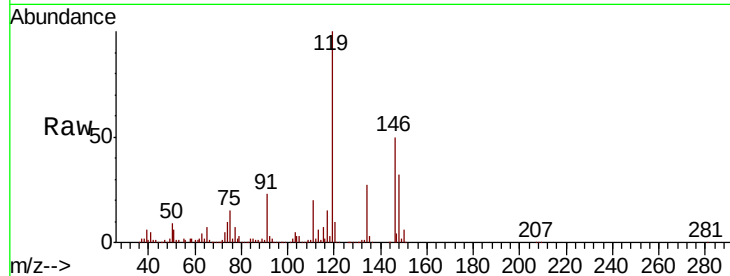
#87
 1,3-Dichlorobenzene
 Concen: 10.12 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182843		
111	40.1	19.8	59.4	
148	63.6	31.9	95.9	

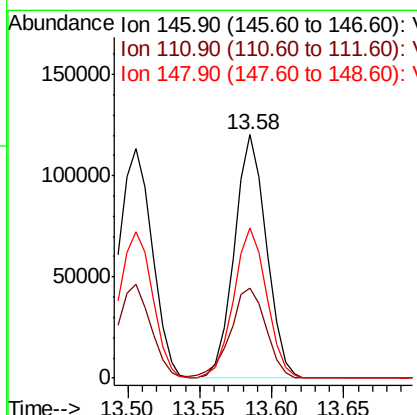
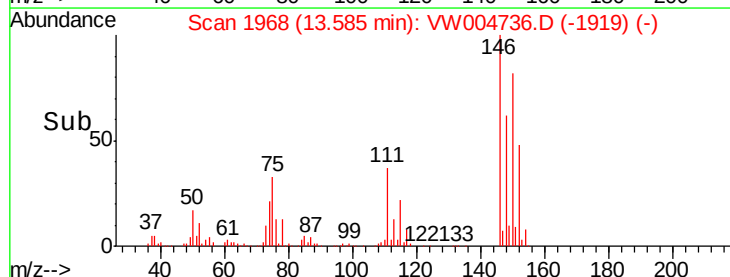
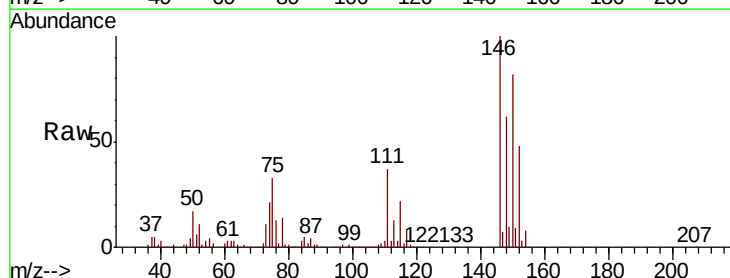
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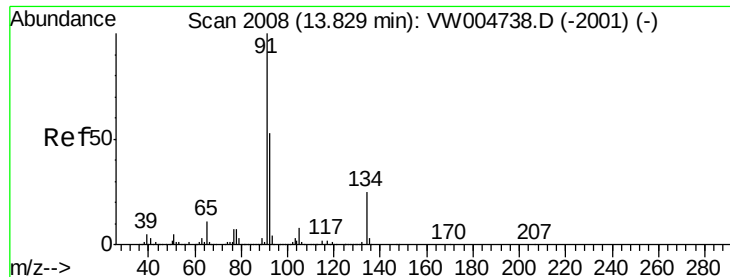
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 10.31 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186243		
111	41.3	19.3	57.8	
148	63.5	31.8	95.3	





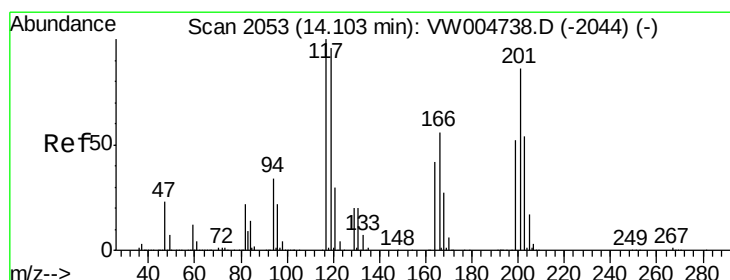
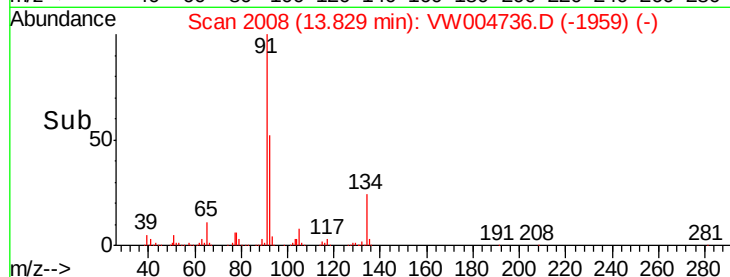
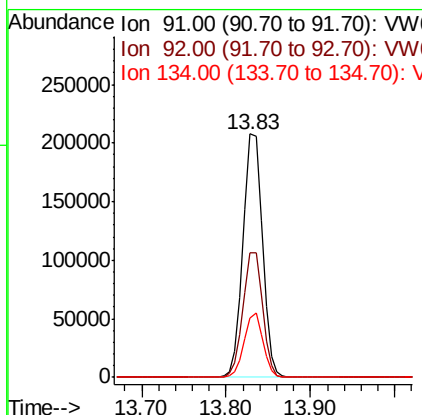
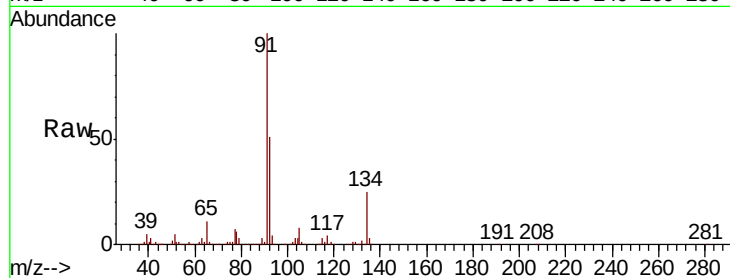
#89
n-Butylbenzene
Concen: 9.54 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.4	79.2
134	25.4	12.8	38.3

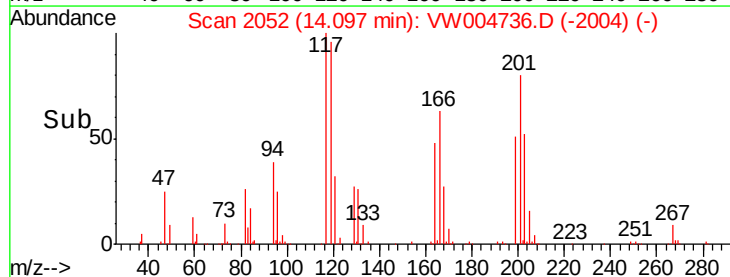
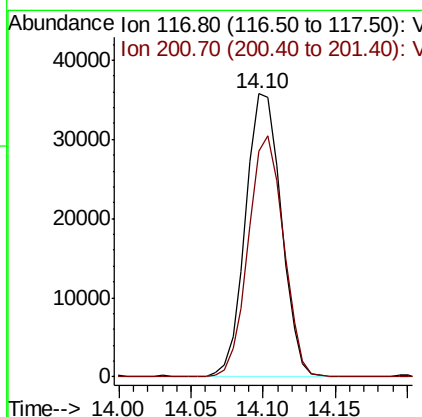
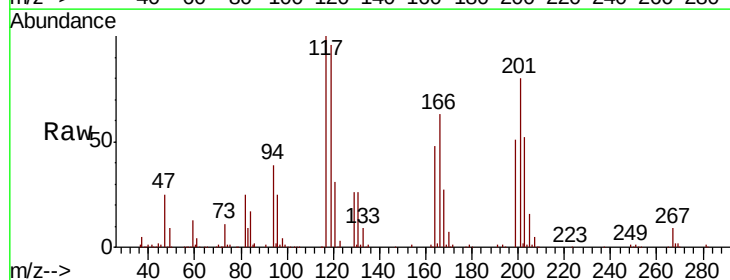
Manual Integrations
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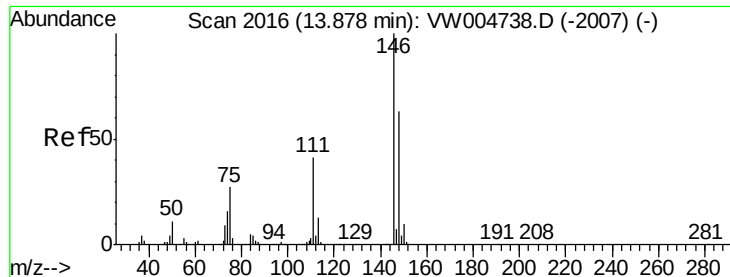
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#90
Hexachloroethane
Concen: 9.74 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	42.4	127.2





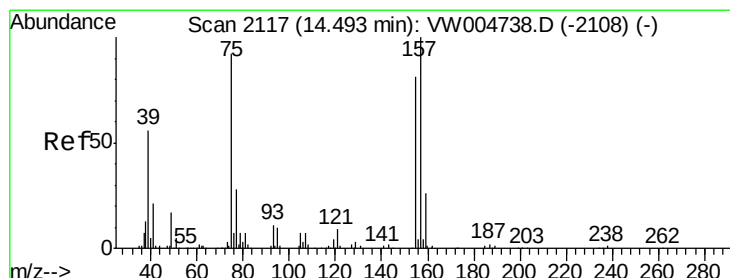
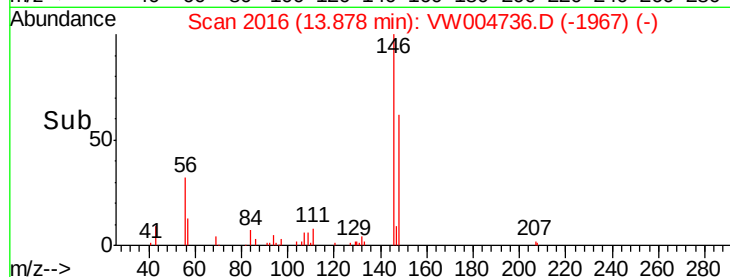
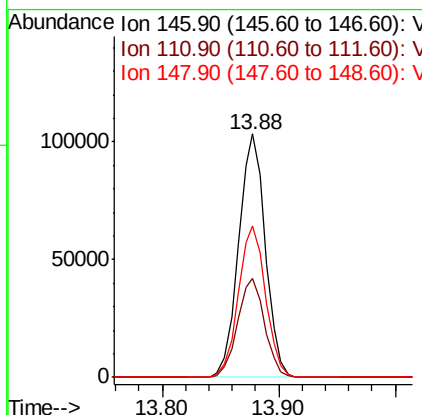
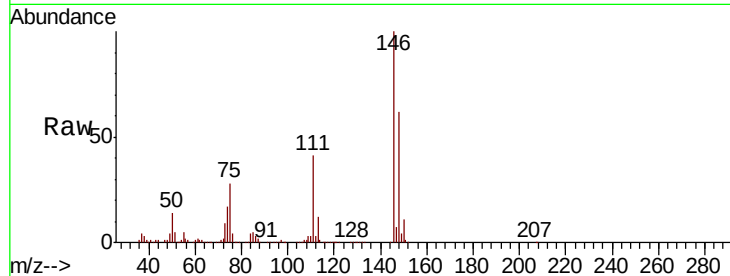
#91
 1,2-Dichlorobenzene
 Concen: 10.12 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	63.8	31.6	95.0

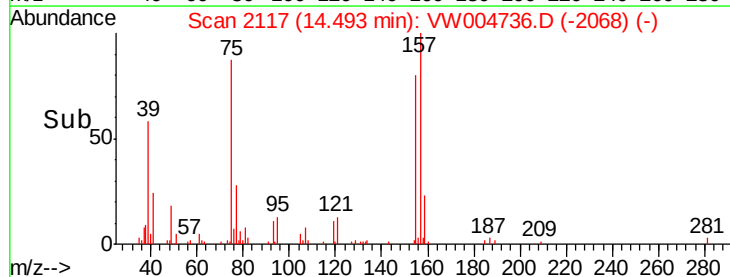
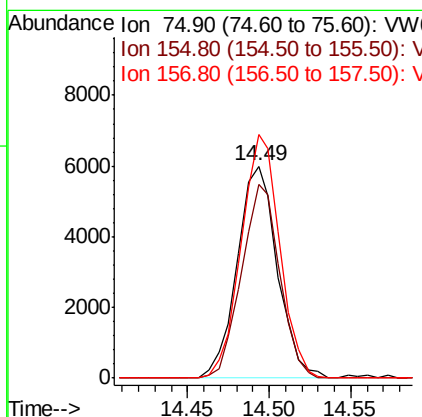
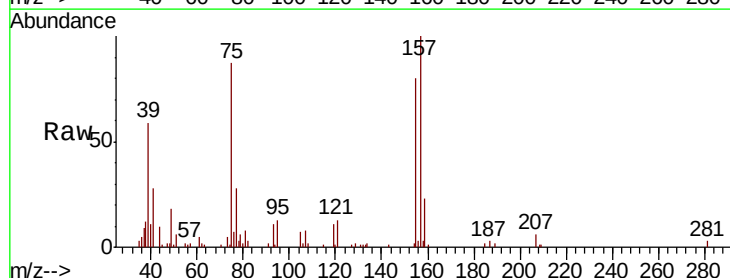
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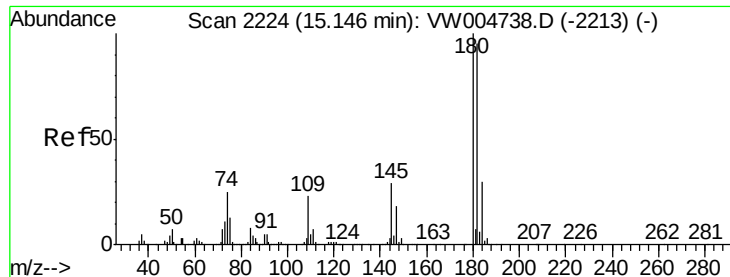
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.67 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	43.3	129.9
157	110.2	54.5	163.6





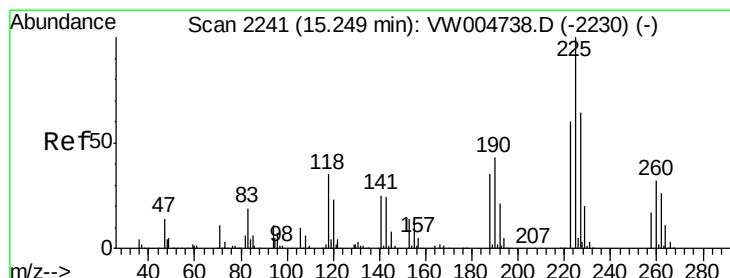
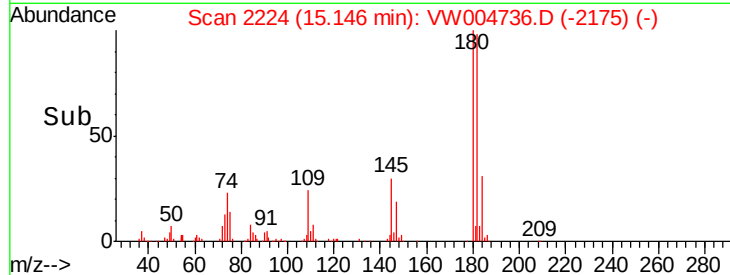
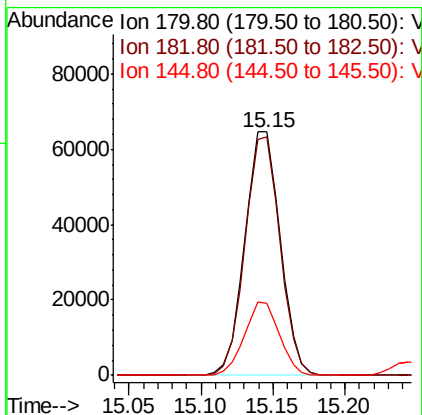
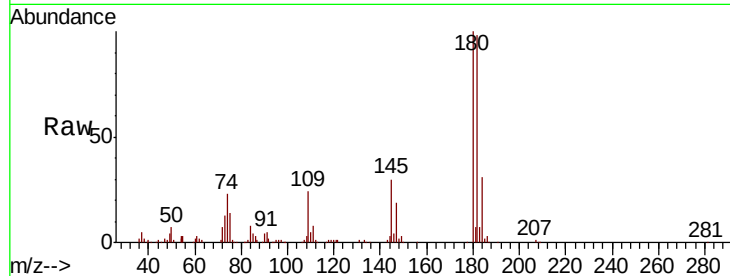
#93
 1,2,4-Trichlorobenzene
 Concen: 9.55 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	180	Resp:	109601
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.3	141.8
145	29.9	14.6	43.8

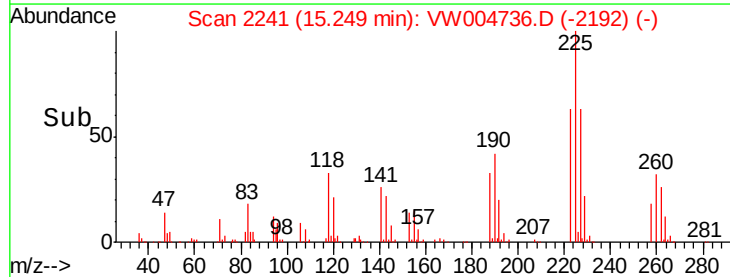
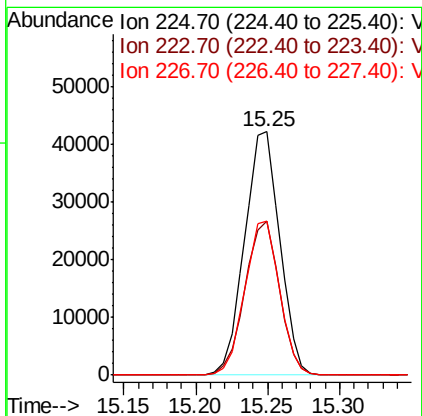
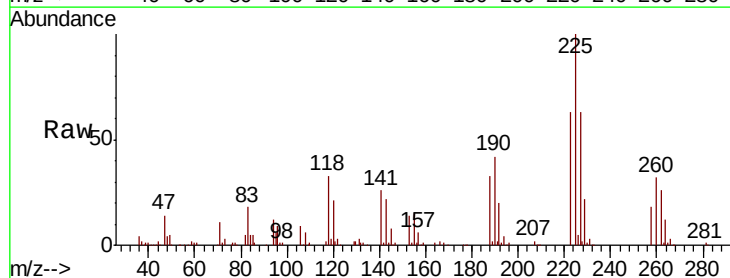
Manual Integrations
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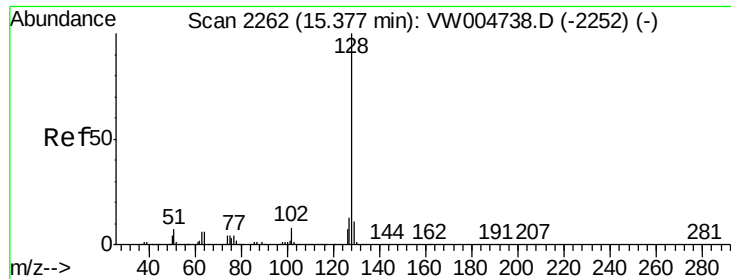
apatel
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#94
 Hexachlorobutadiene
 Concen: 10.15 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004736.D
 Acq: 17 Aug 2018 16:20

Tgt Ion:	225	Resp:	71521
Ion Ratio	Lower	Upper	
225	100		
223	61.9	30.9	92.5
227	62.2	32.0	96.0





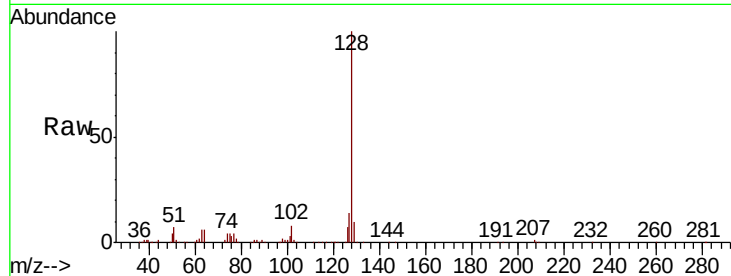
#95
Naphthalene
Concen: 8.85 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	175690		
127	13.3		10.4	15.6
129	10.7		8.6	13.0

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:42 AM

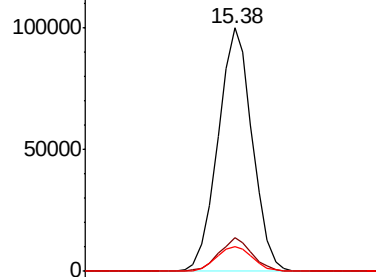


Abundance

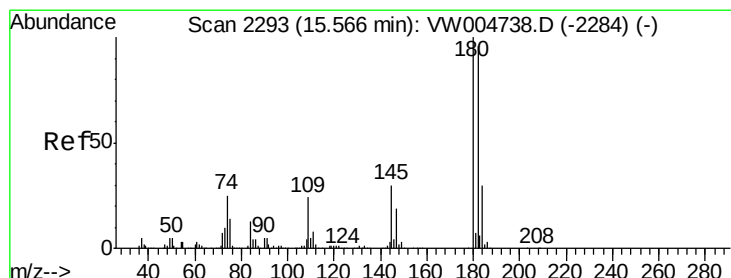
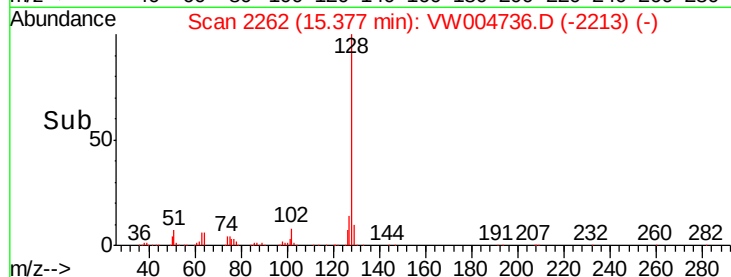
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

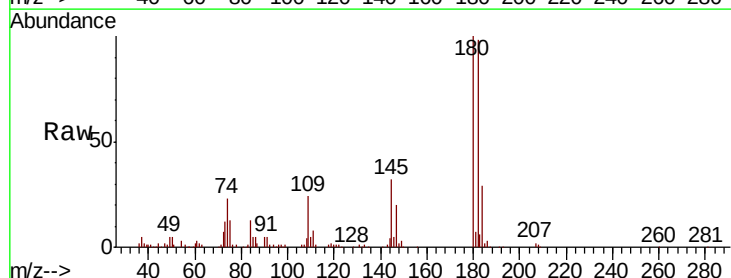


Time-->



#96
1,2,3-Trichlorobenzene
Concen: 9.66 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004736.D
Acq: 17 Aug 2018 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98346		
182	95.2		47.3	142.0
145	30.5		15.4	46.1

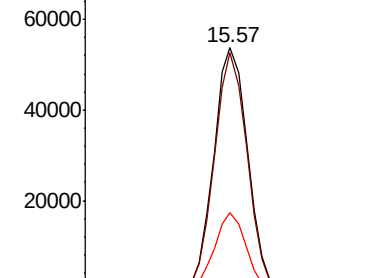


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

