

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091618\
 Data File : VW005401.D
 Acq On : 14 Sep 2018 23:16
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
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Quant Time: Sep 15 02:28:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	219629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	326580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	24354	14.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.18%	
35) Dibromofluoromethane	7.89	113	18843	10.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.98%	
50) Toluene-d8	10.33	98	87134	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
62) 4-Bromofluorobenzene	12.62	95	31741	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	24136	12.53	ug/l	97
3) Chloromethane	2.21	50	28203	11.10	ug/l	99
4) Vinyl Chloride	2.36	62	25962	11.08	ug/l	93
5) Bromomethane	2.78	94	20054	12.54	ug/l	90
6) Chloroethane	2.92	64	15300	11.68	ug/l	99
7) Trichlorofluoromethane	3.26	101	34225	12.52	ug/l	96
8) Diethyl Ether	3.70	74	9473	10.04	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	19758	10.51	ug/l	99
10) Methyl Iodide	4.28	142	14278	6.86	ug/l	97
11) Tert butyl alcohol	5.26	59	9254m	68.02	ug/l	
12) 1,1-Dichloroethene	4.04	96	16996	9.85	ug/l	96
13) Acrolein	3.92	56	5499	44.00	ug/l	95
14) Allyl chloride	4.68	41	31166	11.34	ug/l	99
15) Acrylonitrile	5.38	53	21807	51.22	ug/l	99
16) Acetone	4.16	43	19724	63.23	ug/l	96
17) Carbon Disulfide	4.39	76	60237	9.97	ug/l	99
18) Methyl Acetate	4.70	43	10547	11.21	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	44504	10.54	ug/l	99
20) Methylene Chloride	4.92	84	31015	11.94	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	20788	10.26	ug/l	95
22) Diisopropyl ether	6.32	45	60867	10.99	ug/l	94
23) Vinyl Acetate	6.27	43	170601	55.08	ug/l	100
24) 1,1-Dichloroethane	6.22	63	39001	11.50	ug/l	99
25) 2-Butanone	7.19	43	28998	58.83	ug/l	99
26) 2,2-Dichloropropane	7.17	77	35540	12.07	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	22060	10.14	ug/l	98
28) Bromochloromethane	7.52	49	15484	12.41	ug/l #	100
29) Tetrahydrofuran	7.54	42	16961	51.63	ug/l	100
30) Chloroform	7.68	83	40311	11.84	ug/l	100
31) Cyclohexane	7.96	56	36840	10.50	ug/l #	85
32) 1,1,1-Trichloroethane	7.88	97	37361	12.07	ug/l	99
36) 1,1-Dichloropropene	8.09	75	31571	10.50	ug/l	97
37) Ethyl Acetate	7.26	43	12508	10.76	ug/l	98
38) Carbon Tetrachloride	8.08	117	33419	11.66	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35224	9.01	ug/l	94
40) Benzene	8.33	78	91333	10.37	ug/l	97
41) Methacrylonitrile	7.50	41	8153	13.45	ug/l	96
42) 1,2-Dichloroethane	8.41	62	30075	13.53	ug/l	100
43) Isopropyl Acetate	8.43	43	24548	11.31	ug/l	99
44) Trichloroethene	9.10	130	24117	10.08	ug/l	95
45) 1,2-Dichloropropane	9.37	63	21389	10.10	ug/l	99
46) Dibromomethane	9.46	93	11154	10.68	ug/l	98
47) Bromodichloromethane	9.65	83	29674	11.45	ug/l	99
48) Methyl methacrylate	9.45	41	11373	10.17	ug/l	92
49) 1,4-Dioxane	9.49	88	3611	190.46	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	63789	52.94	ug/l	97
52) Toluene	10.39	92	61452	9.65	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	28037	10.14	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	31896	9.73	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	16479	10.07	ug/l	98
56) Ethyl methacrylate	10.65	69	18615	8.94	ug/l	96
57) 1,3-Dichloropropane	10.94	76	27541	10.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	42375	46.61	ug/l	98
59) 2-Hexanone	10.98	43	42027	48.58	ug/l	97
60) Dibromochloromethane	11.13	129	18436	10.01	ug/l	96
61) 1,2-Dibromoethane	11.24	107	14418	9.61	ug/l	98
64) Tetrachloroethene	10.87	164	23934	10.07	ug/l	96
65) Chlorobenzene	11.66	112	70178	10.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	22050	10.45	ug/l	98
67) Ethyl Benzene	11.74	91	116602	9.56	ug/l	98
68) m/p-Xylenes	11.85	106	91589	18.74	ug/l	98
69) o-Xylene	12.17	106	41586	9.16	ug/l	99
70) Styrene	12.19	104	69148	9.31	ug/l	100
71) Bromoform	12.35	173	11542	10.13	ug/l #	97
73) Isopropylbenzene	12.47	105	114124	9.37	ug/l	99
74) N-amyl acetate	12.28	43	24010	10.15	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	17747	9.74	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	15964m	11.99	ug/l	
77) Bromobenzene	12.76	156	28164	9.77	ug/l	98
78) n-propylbenzene	12.81	91	139244	9.45	ug/l	100
79) 2-Chlorotoluene	12.90	91	83819	9.90	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	100090	9.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5145	9.12	ug/l	95
82) 4-Chlorotoluene	12.99	91	89382	10.02	ug/l	99
83) tert-Butylbenzene	13.21	119	82814	9.10	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	102349	9.66	ug/l	99
85) sec-Butylbenzene	13.39	105	122916	9.41	ug/l	99
86) p-Isopropyltoluene	13.51	119	108669	9.38	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	58479	9.72	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	57902	9.74	ug/l	97
89) n-Butylbenzene	13.83	91	99593	9.14	ug/l	100
90) Hexachloroethane	14.10	117	18620	9.92	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	51429	9.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3721	12.01	ug/l	90

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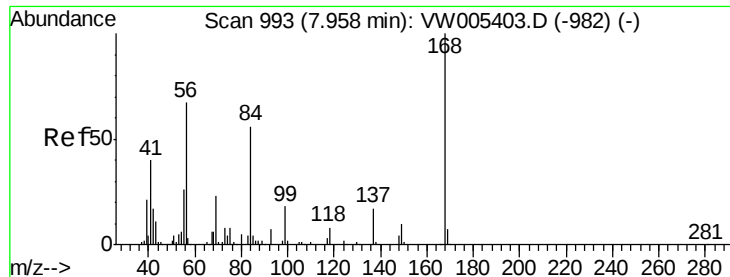
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33369	8.93	ug/l	98
94) Hexachlorobutadiene	15.24	225	22449	9.38	ug/l	97
95) Naphthalene	15.38	128	50519	8.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	28397	8.85	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:168 Resp: 219629

Ion Ratio Lower Upper

168 100

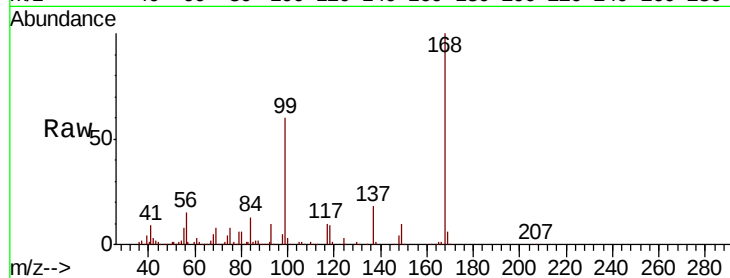
99 59.4 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

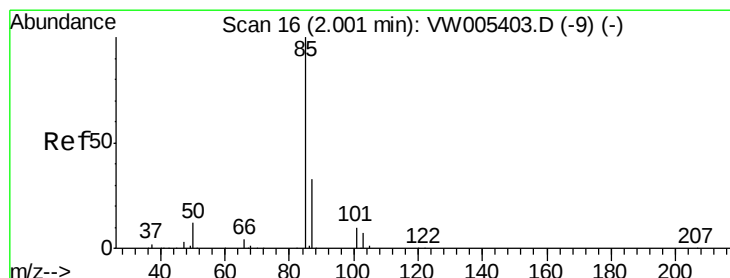
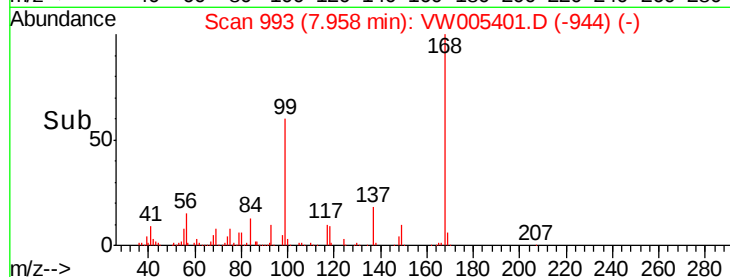
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 12.53 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005401.D

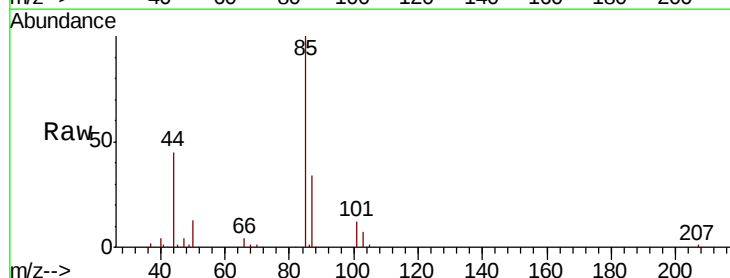
Acq: 14 Sep 2018 23:16

Tgt Ion: 85 Resp: 24136

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

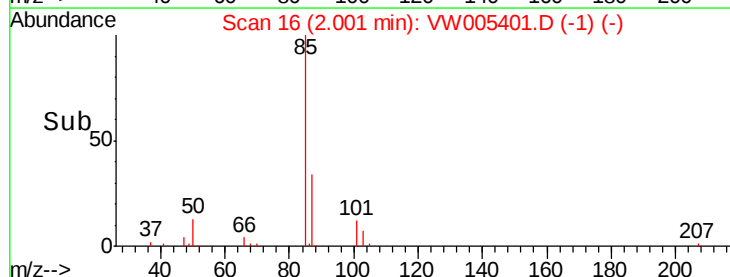
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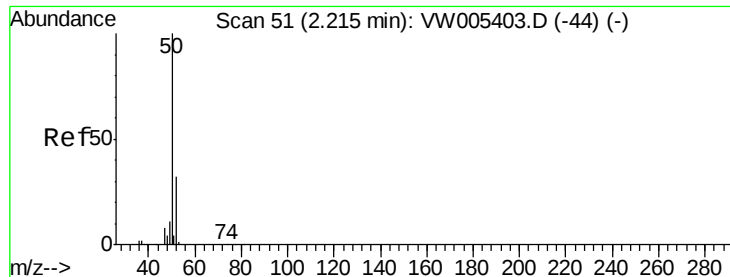
10000

5000

0

Time-->





#3

Chloromethane

Concen: 11.10 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 28203

Ion Ratio Lower Upper

50 100

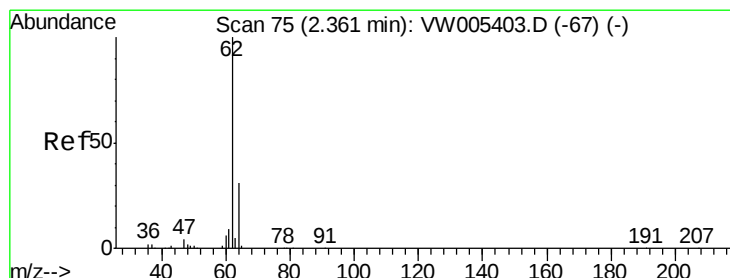
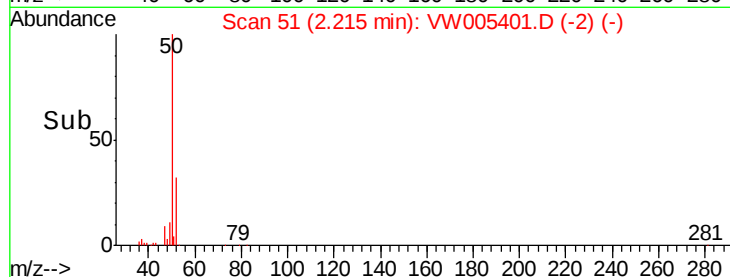
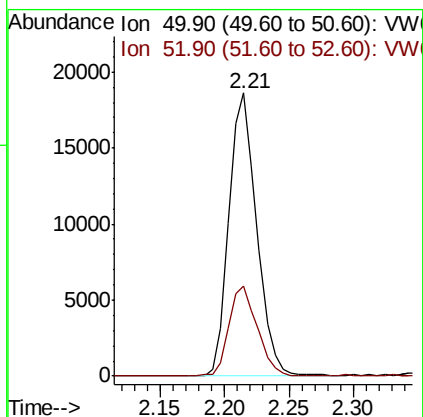
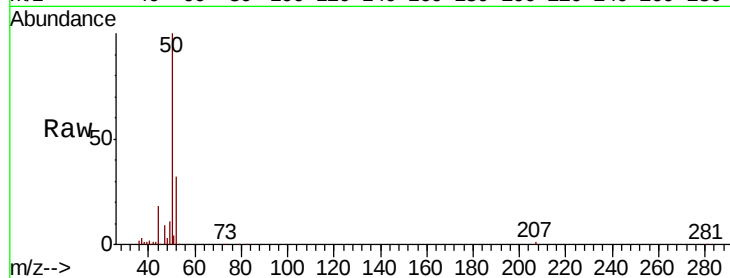
52 31.7 25.8 38.6

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#4

Vinyl Chloride

Concen: 11.08 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW005401.D

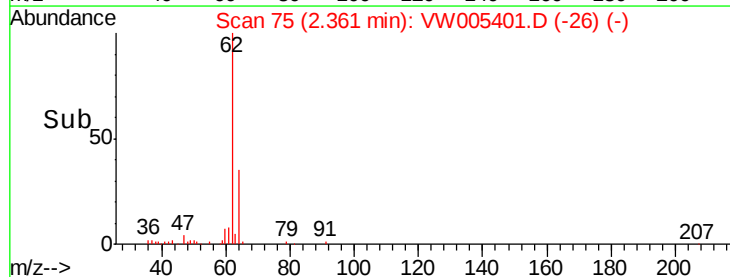
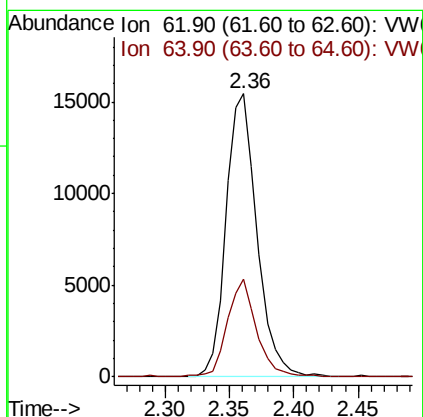
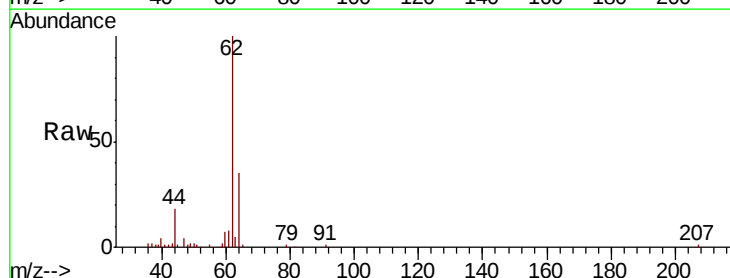
Acq: 14 Sep 2018 23:16

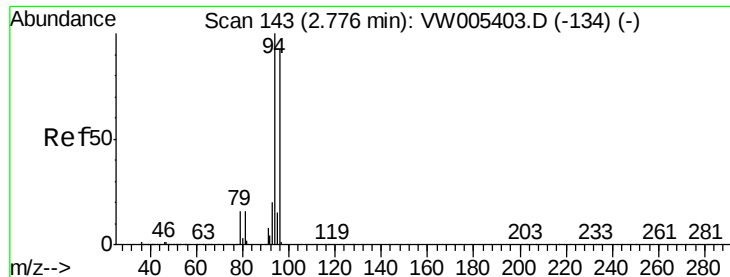
Tgt Ion: 62 Resp: 25962

Ion Ratio Lower Upper

62 100

64 34.3 24.5 36.7





#5

Bromomethane

Concen: 12.54 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 20054

Ion Ratio Lower Upper

94 100

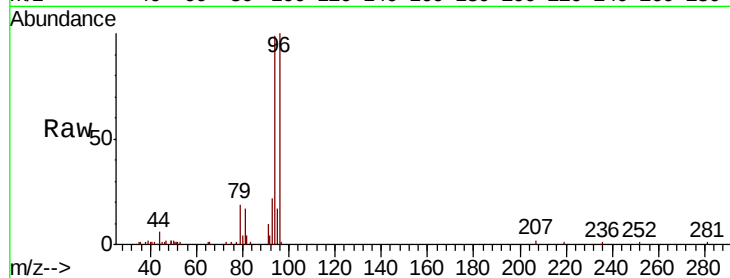
96 101.4 73.7 110.5

Manual Integrations

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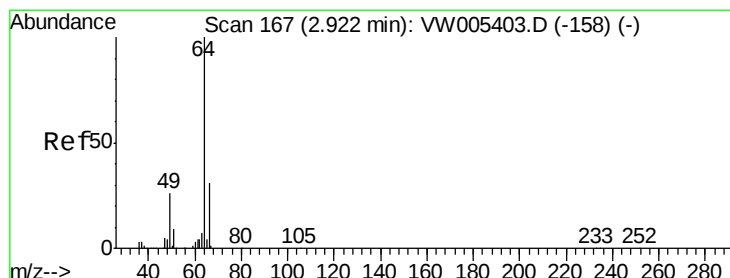
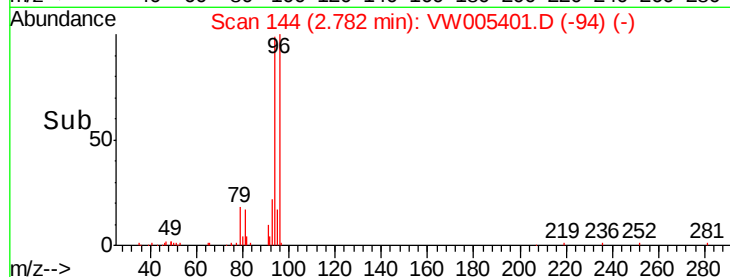
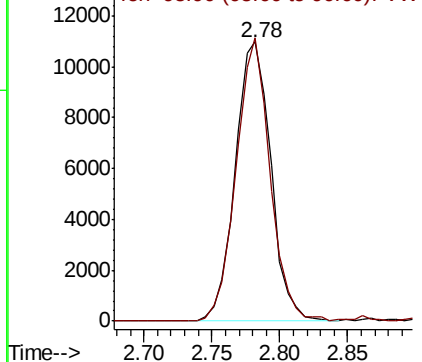
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 11.68 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW005401.D

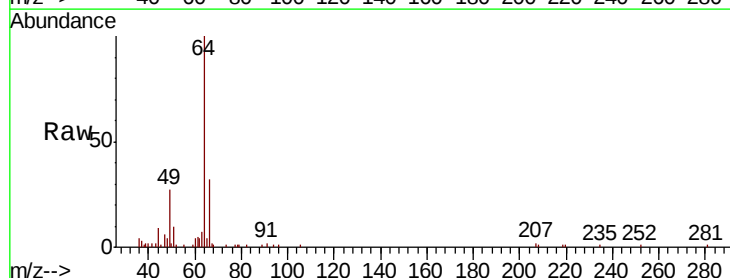
Acq: 14 Sep 2018 23:16

Tgt Ion: 64 Resp: 15300

Ion Ratio Lower Upper

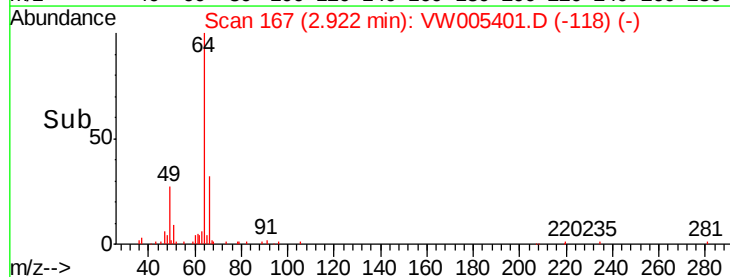
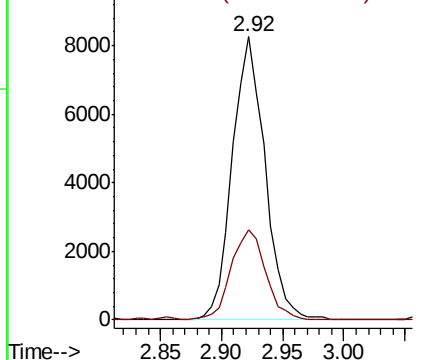
64 100

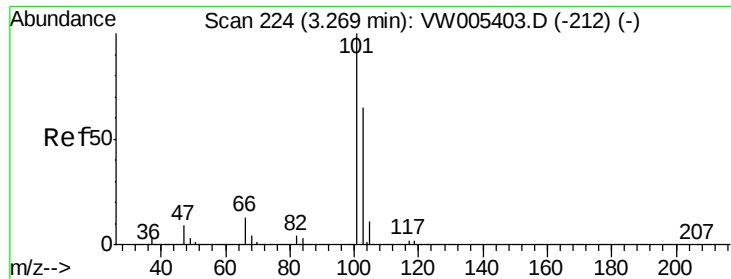
66 32.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

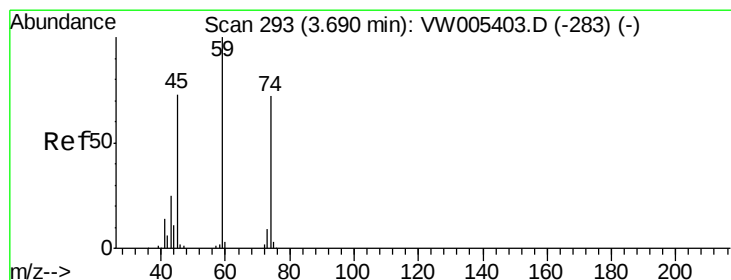
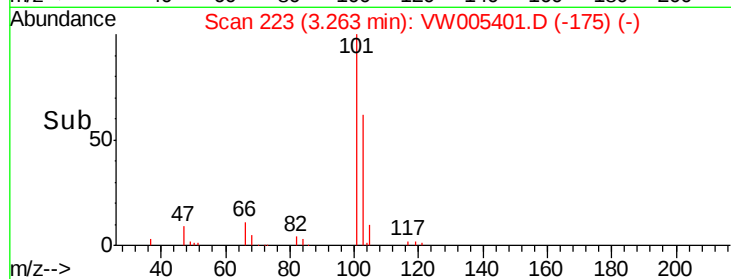
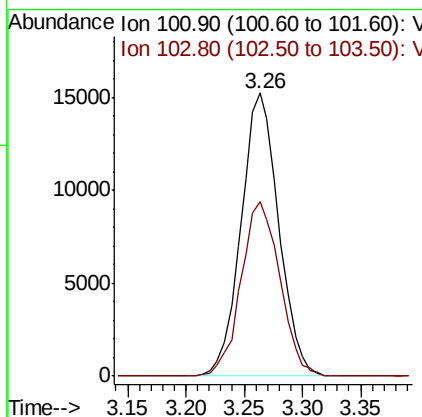
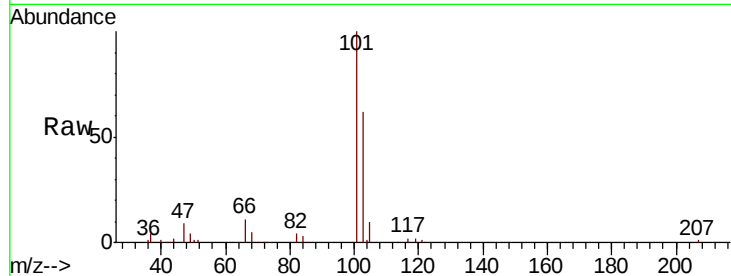
Trichlorofluoromethane
 Concen: 12.52 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.7	77.5

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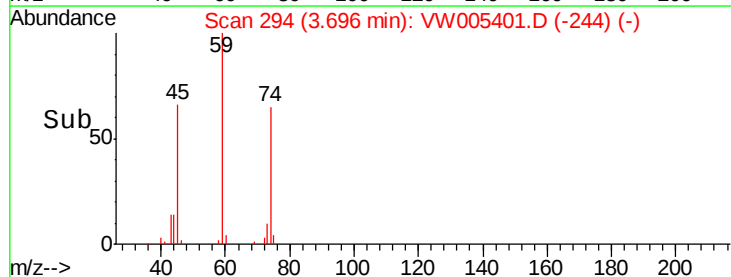
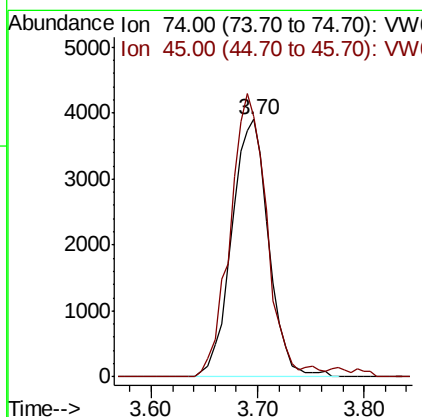
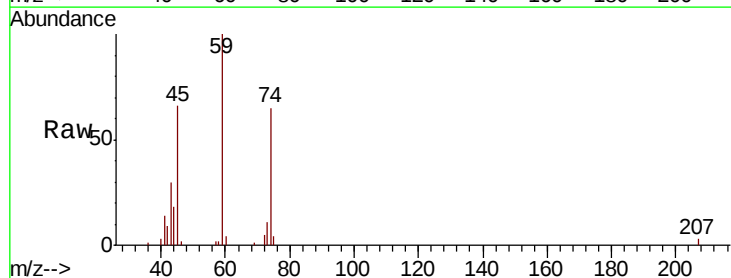
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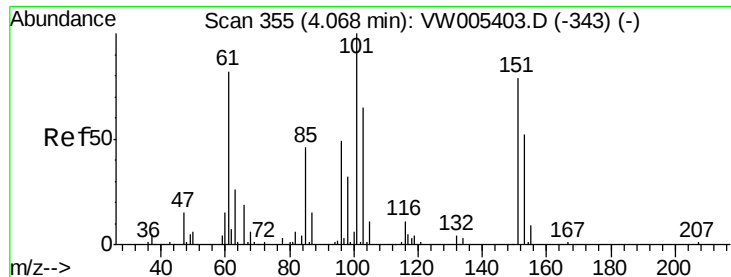


#8

Diethyl Ether
 Concen: 10.04 ug/l
 RT: 3.70 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	53.1	159.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.51 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

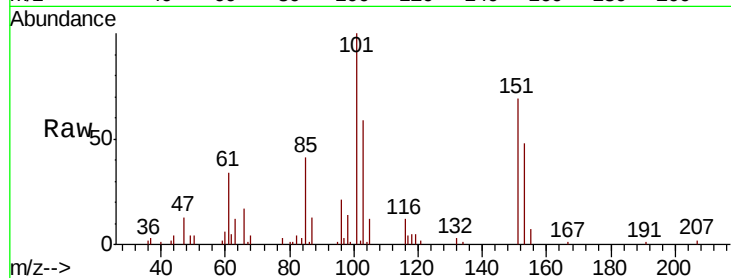
ClientSampleID :

VSTDIC010

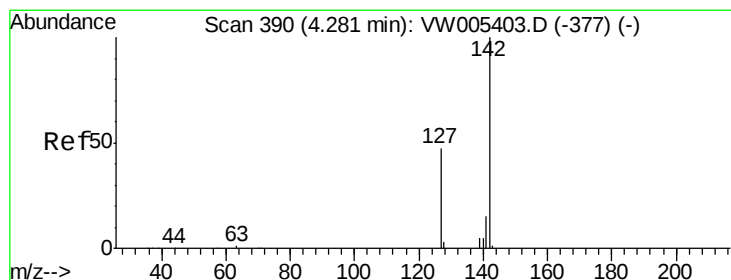
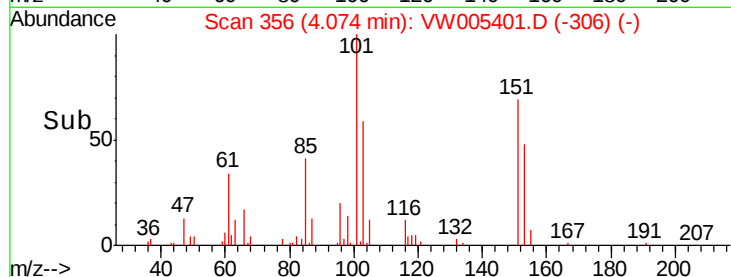
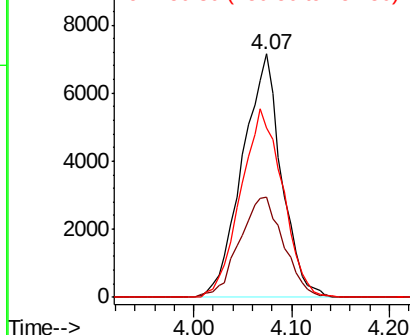
Tot Ion:	101	Resp:	19758
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.6	54.8
151	83.6	66.3	99.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 6.86 ug/l

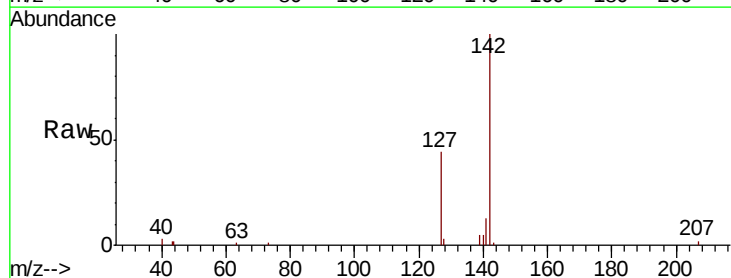
RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

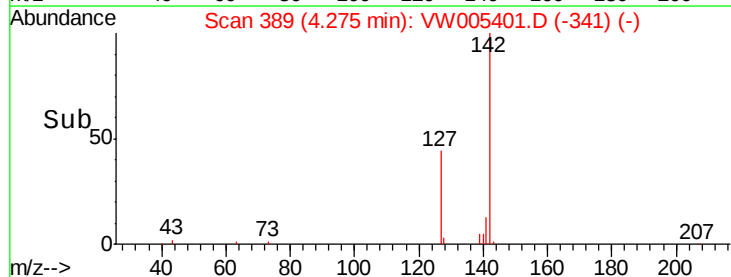
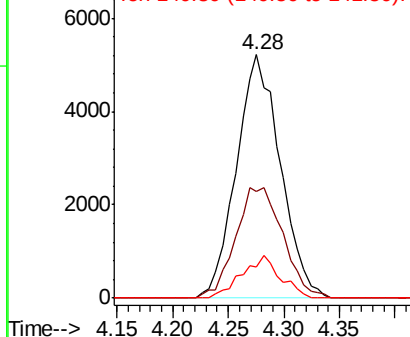
Lab File: VW005401.D

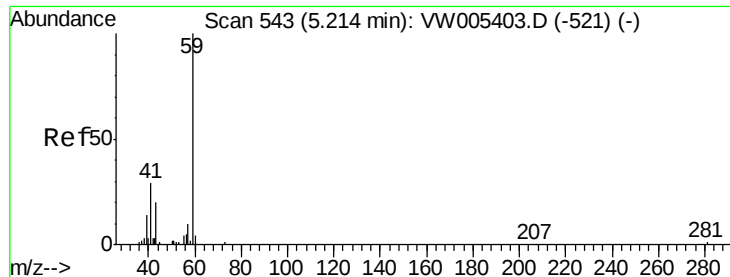
Acq: 14 Sep 2018 23:16

Tgt Ion:	142	Resp:	14278
Ion Ratio	Lower	Upper	
142	100		
127	49.1	37.5	56.3
141	15.2	12.4	18.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





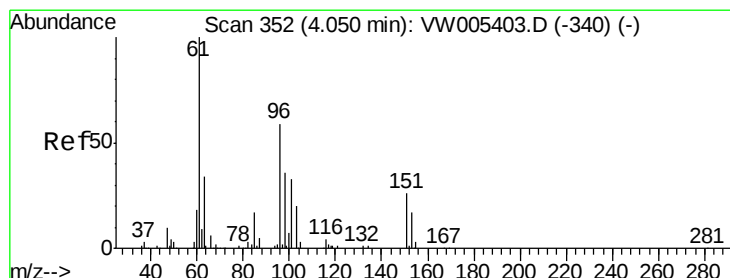
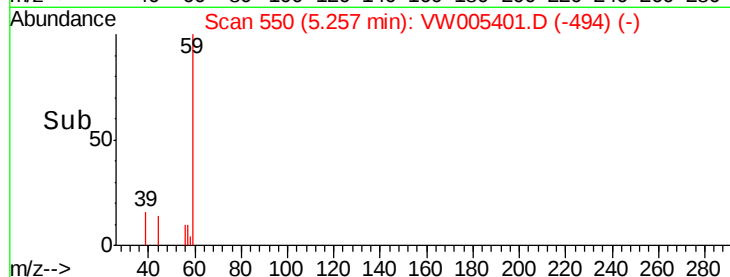
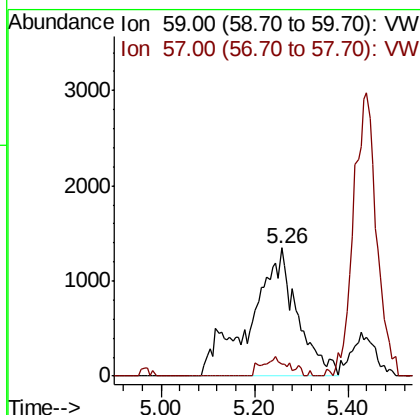
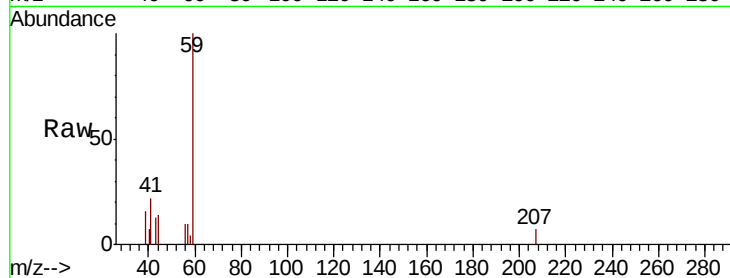
#11
Tert butyl alcohol
Concen: 68.02 ug/l m
RT: 5.26 min Scan# 550
Delta R.T. 0.04 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 59 Resp: 9254
Ion Ratio Lower Upper
59 100
57 7.6 8.6 13.0#

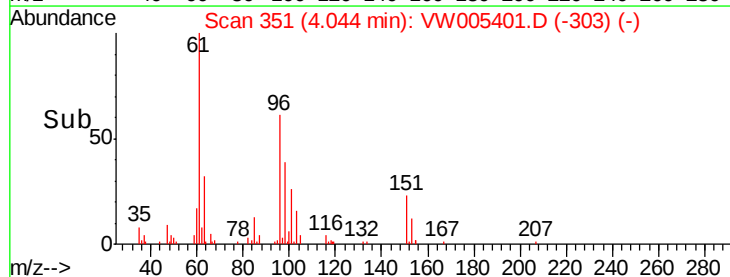
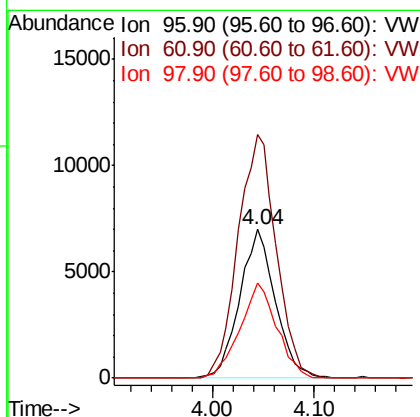
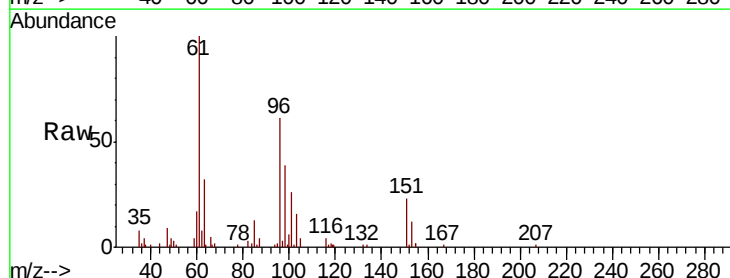
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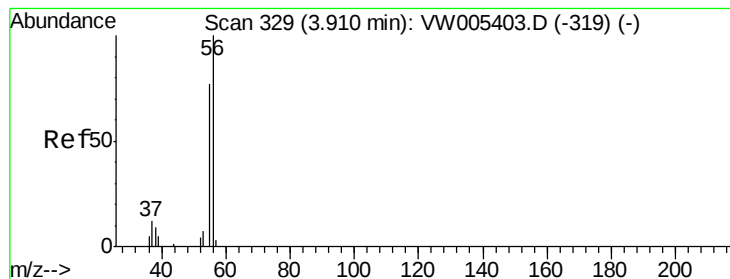
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#12
1,1-Dichloroethene
Concen: 9.85 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion: 96 Resp: 16996
Ion Ratio Lower Upper
96 100
61 163.9 135.7 203.5
98 63.9 48.6 73.0





#13

Acrolein

Concen: 44.00 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 5499

Ion Ratio Lower Upper

56 100

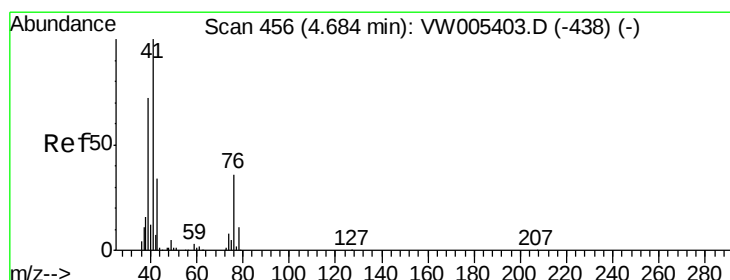
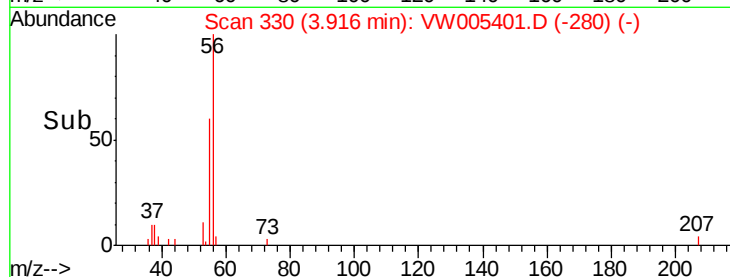
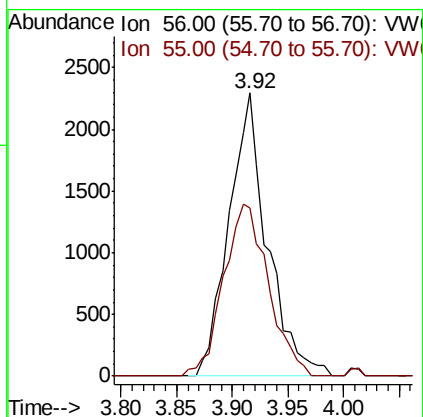
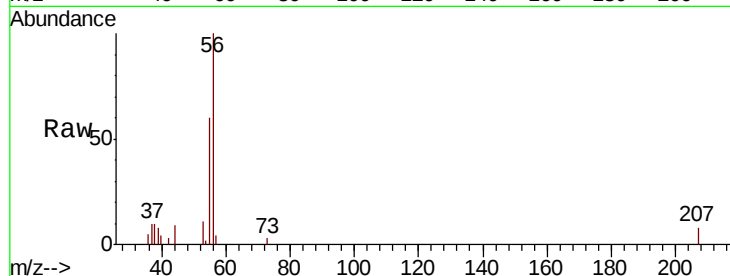
55 70.5 59.8 89.8

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#14

Allyl chloride

Concen: 11.34 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

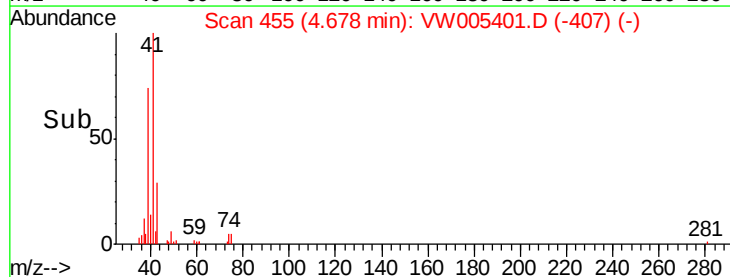
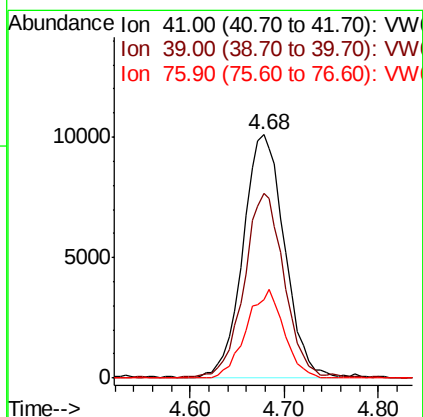
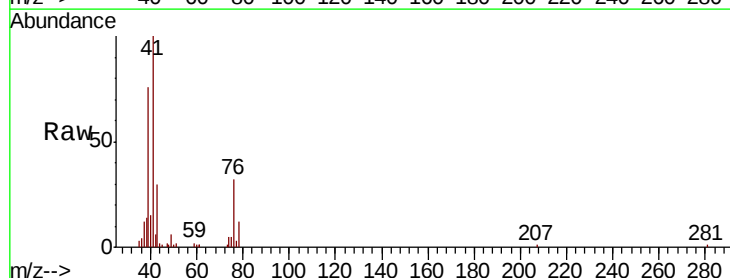
Tgt Ion: 41 Resp: 31166

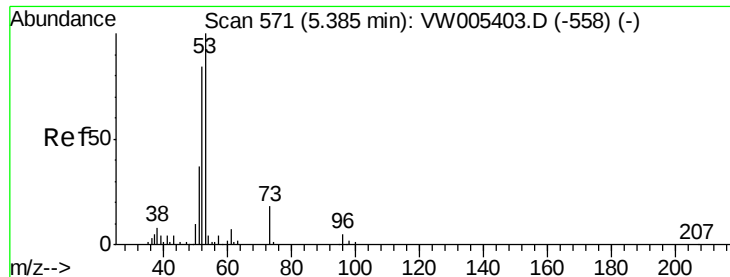
Ion Ratio Lower Upper

41 100

39 73.8 58.6 88.0

76 32.7 27.4 41.0





#15

Acrylonitrile

Concen: 51.22 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

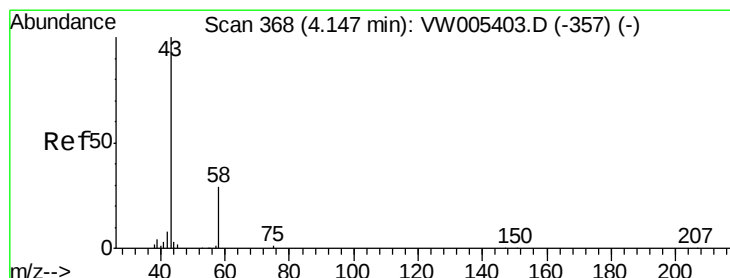
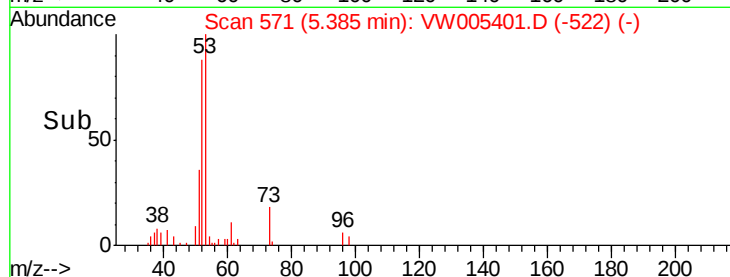
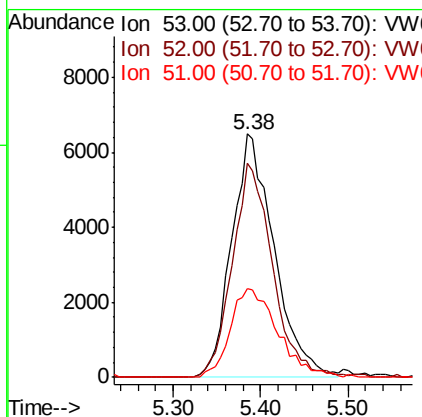
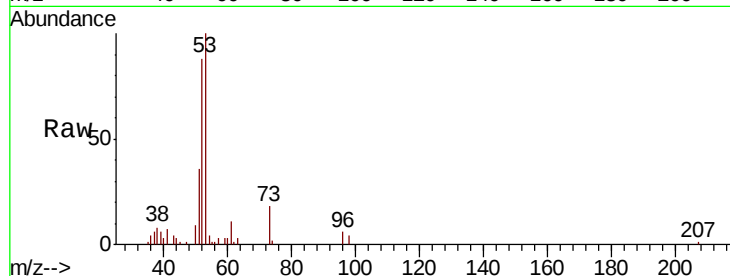
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	21807
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.6	99.8
51	40.9	31.1	46.7

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#16

Acetone

Concen: 63.23 ug/l

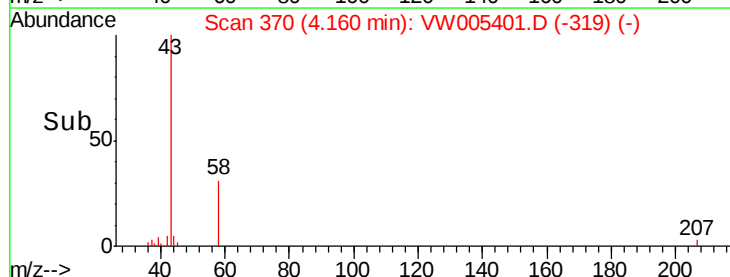
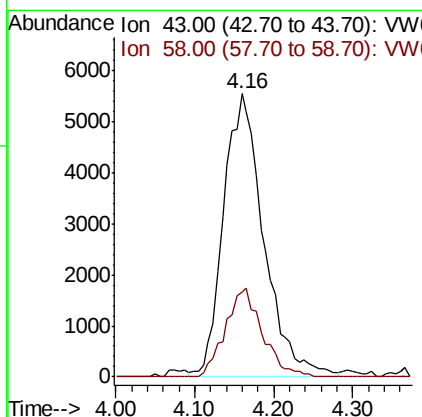
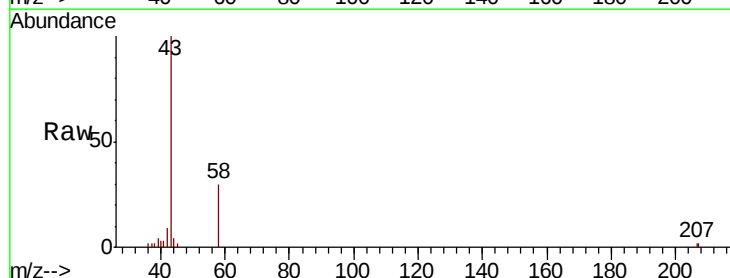
RT: 4.16 min Scan# 370

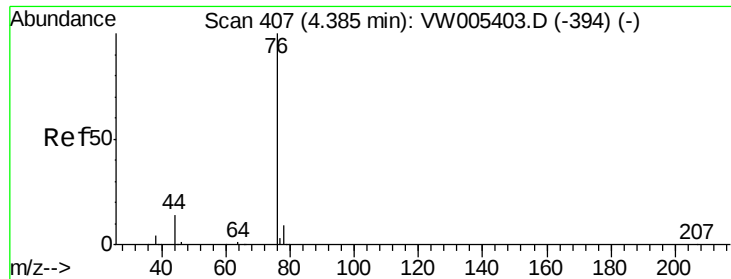
Delta R.T. 0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Tgt Ion:	43	Resp:	19724
Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.8	34.2





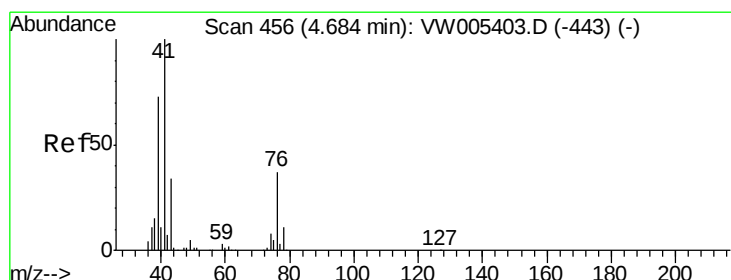
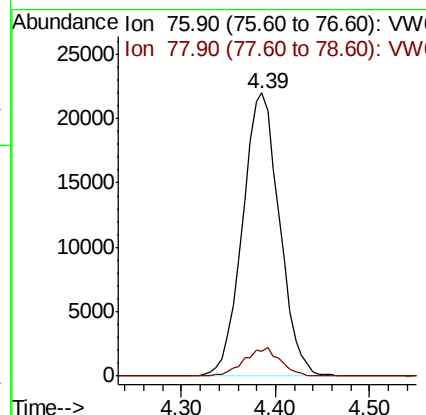
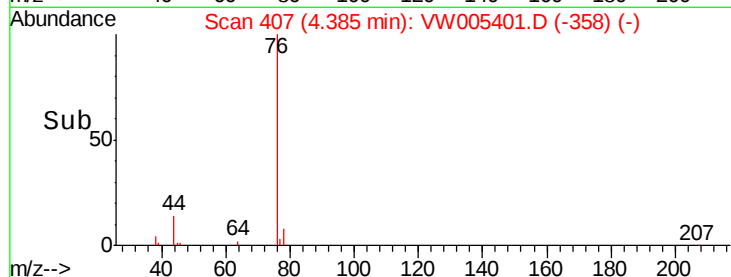
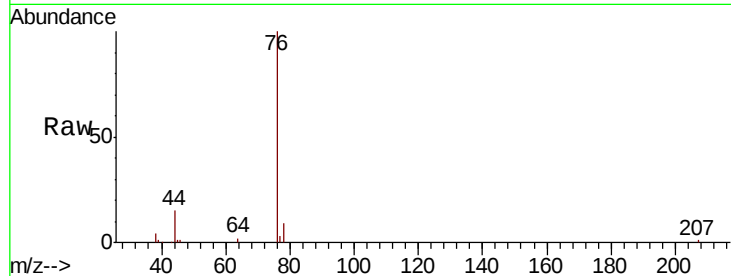
#17
Carbon Disulfide
Concen: 9.97 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

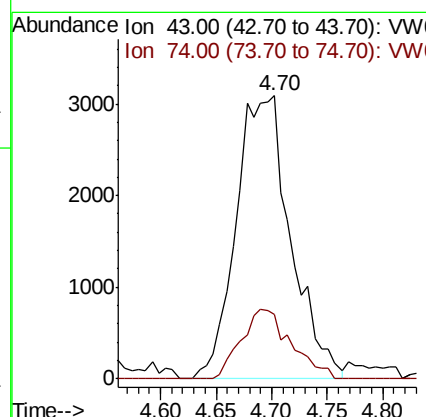
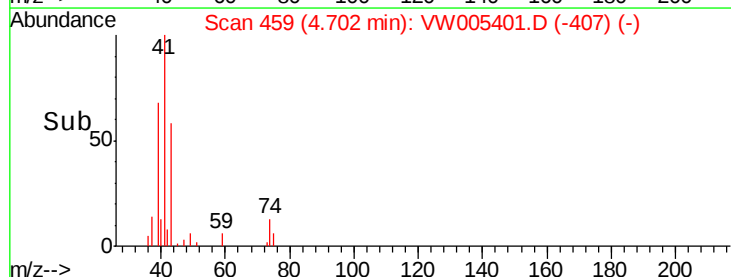
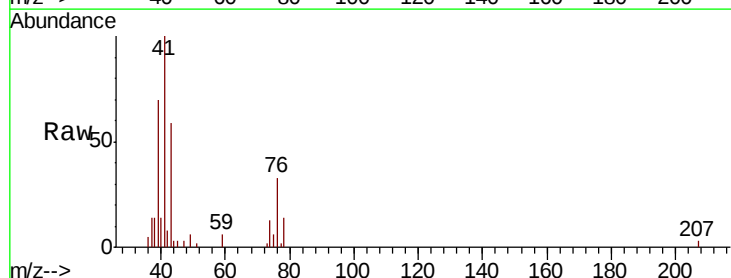
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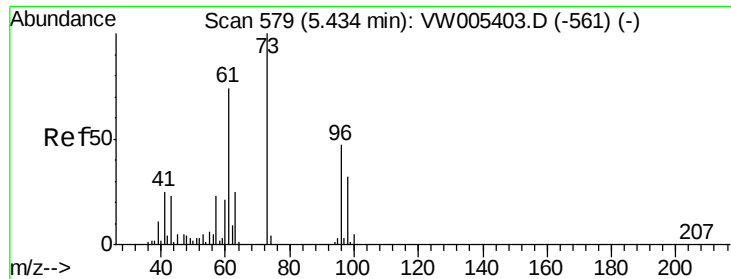
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#18
Methyl Acetate
Concen: 11.21 ug/l
RT: 4.70 min Scan# 459
Delta R.T. 0.02 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.7	26.5





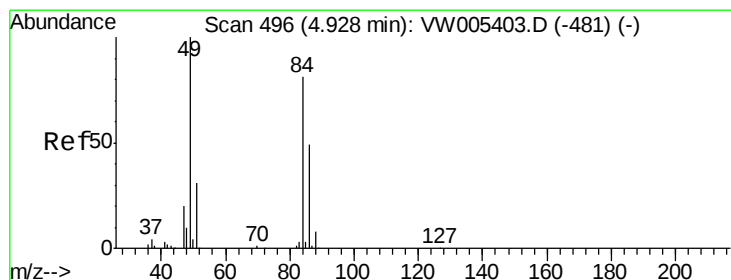
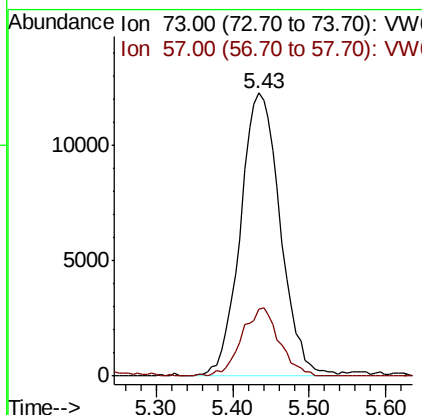
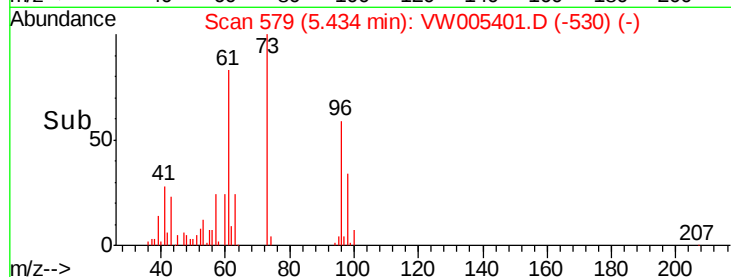
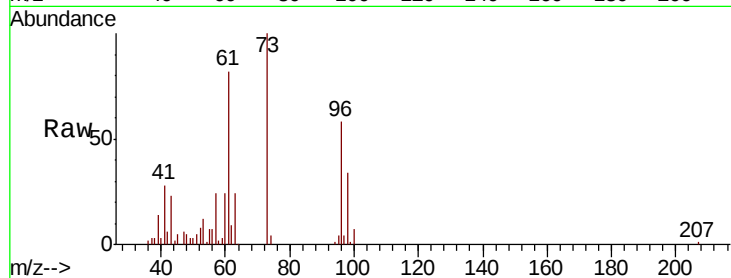
#19
Methyl tert-butyl Ether
Concen: 10.54 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 73 Resp: 44504
Ion Ratio Lower Upper
73 100
57 23.7 18.6 28.0

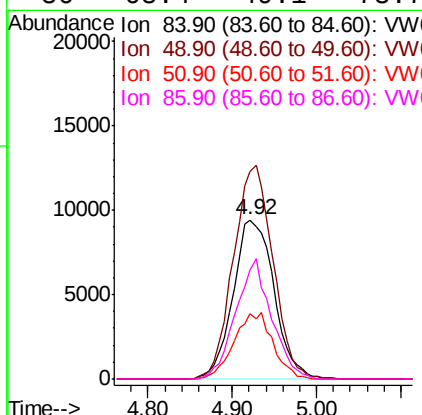
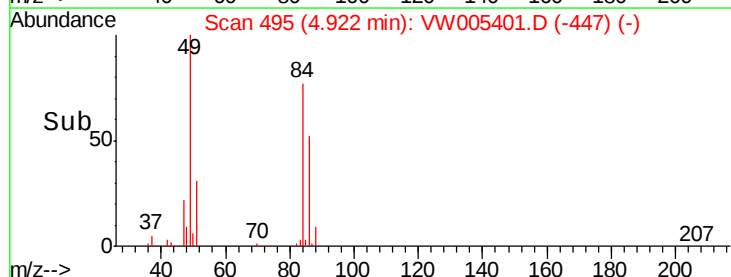
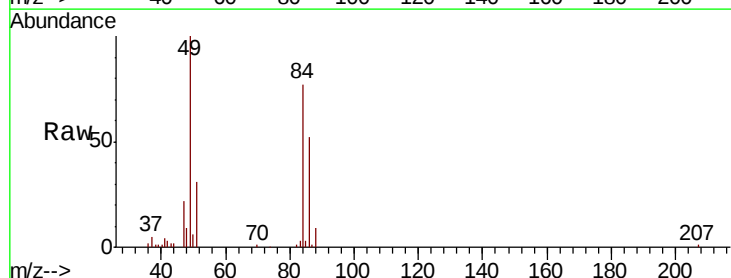
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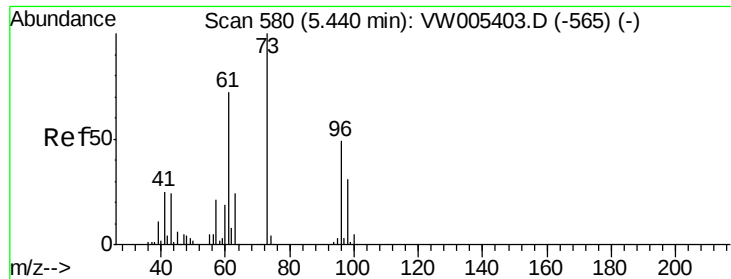
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#20
Methylene Chloride
Concen: 11.94 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion: 84 Resp: 31015
Ion Ratio Lower Upper
84 100
49 130.7 99.3 148.9
51 40.7 31.1 46.7
86 68.4 49.1 73.7





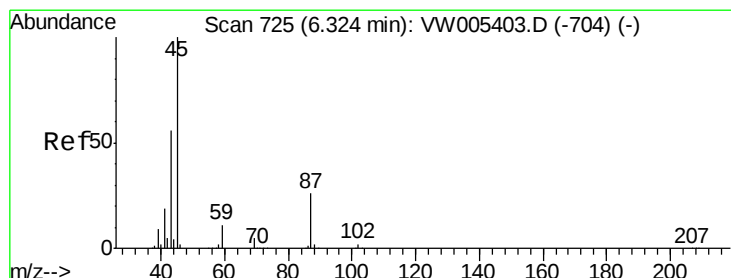
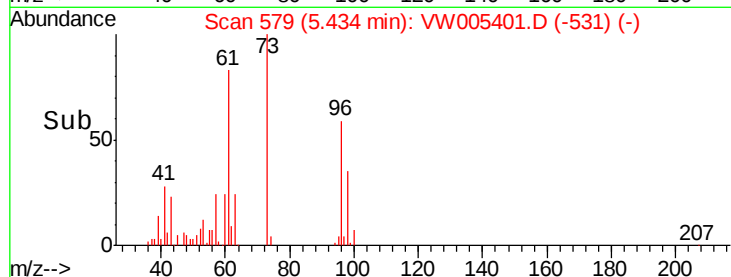
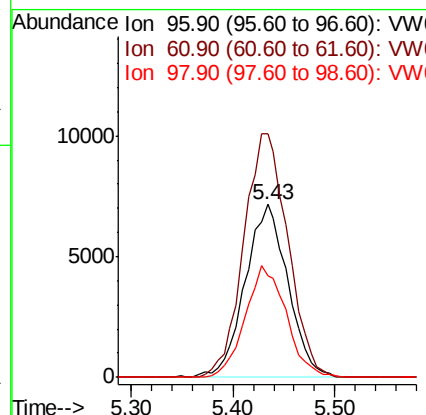
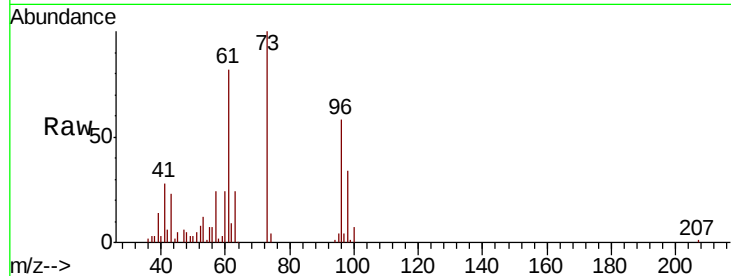
#21
trans-1,2-Dichloroethene
Concen: 10.26 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	116.7	175.1
98	58.6	51.0	76.6

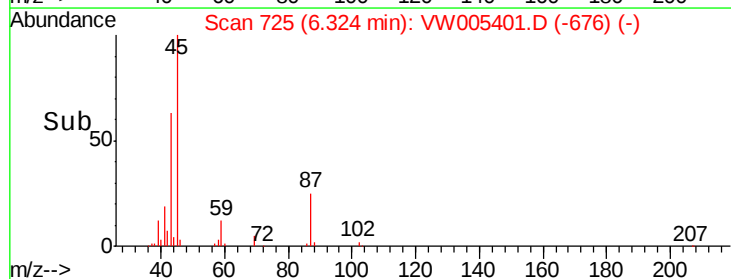
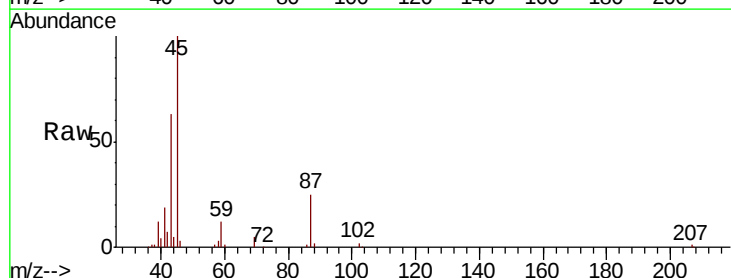
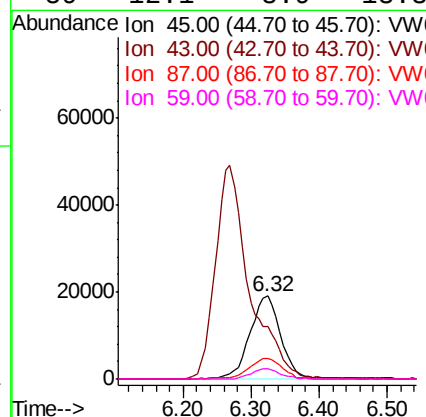
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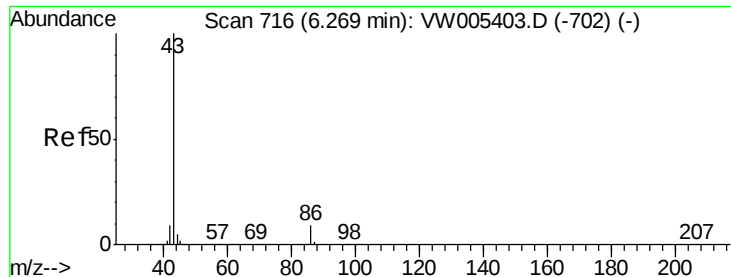
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#22
Diisopropyl ether
Concen: 10.99 ug/l
RT: 6.32 min Scan# 725
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	44.6	67.0
87	24.1	20.6	31.0
59	12.1	8.9	13.3





#23

Vinyl Acetate

Concen: 55.08 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 170601

Ion Ratio Lower Upper

43 100

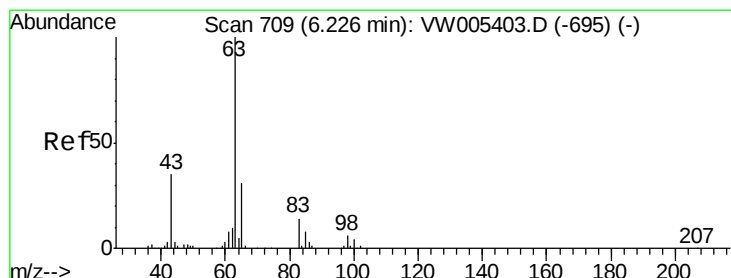
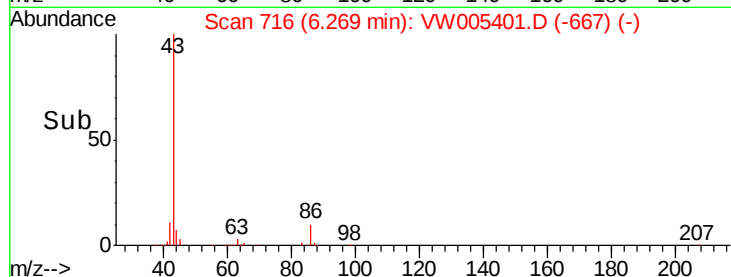
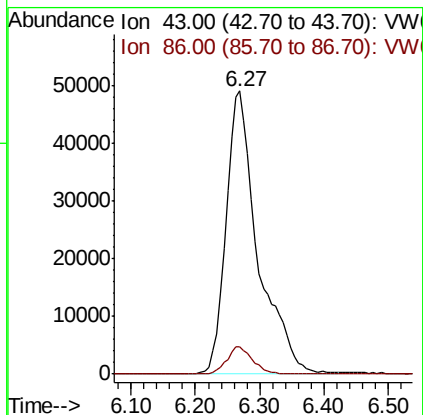
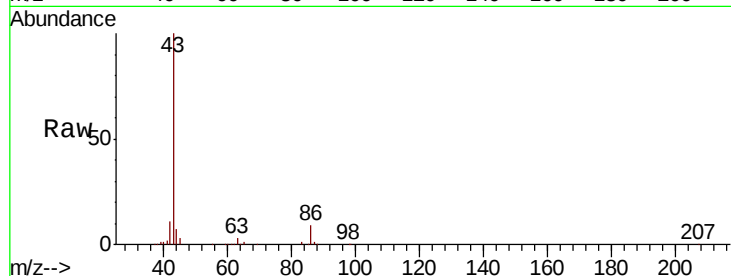
86 9.5 7.5 11.3

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#24

1,1-Dichloroethane

Concen: 11.50 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

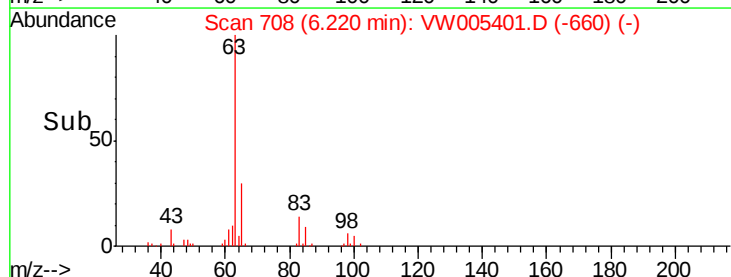
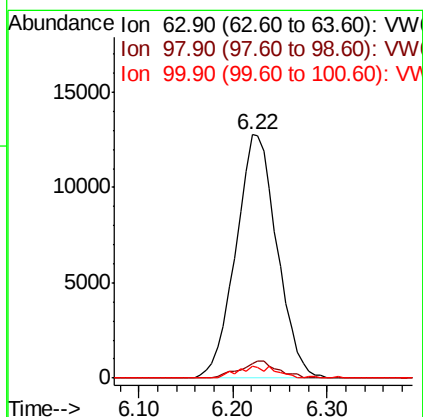
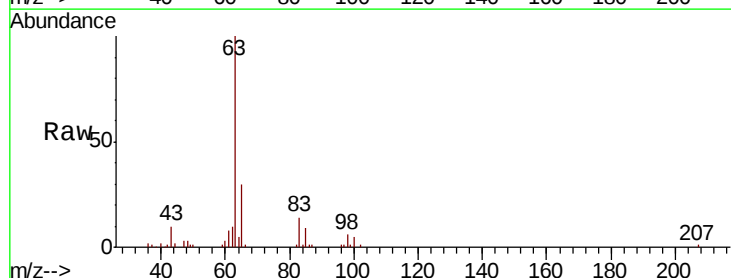
Tgt Ion: 63 Resp: 39001

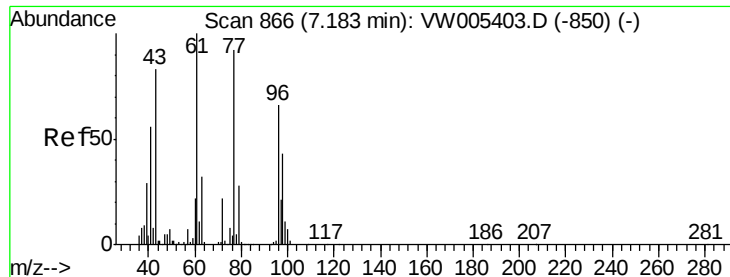
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 5.0 2.3 6.8





#25

2-Butanone

Concen: 58.83 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Tot Ion: 43 Resp: 28998

Ion Ratio Lower Upper

43 100

72 25.8 21.1 31.7

Instrument :

MSVOA_W

ClientSampled :

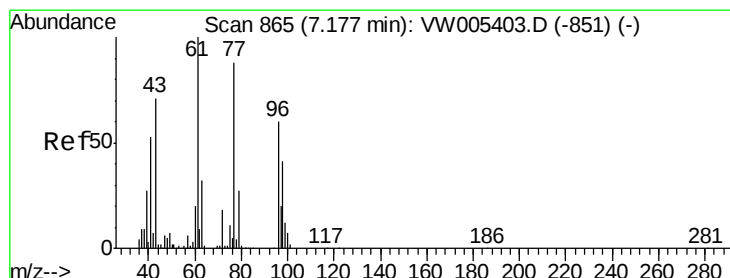
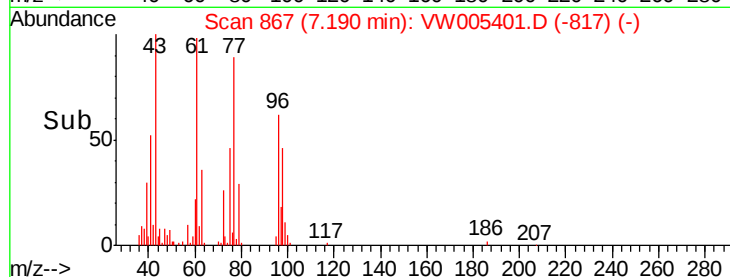
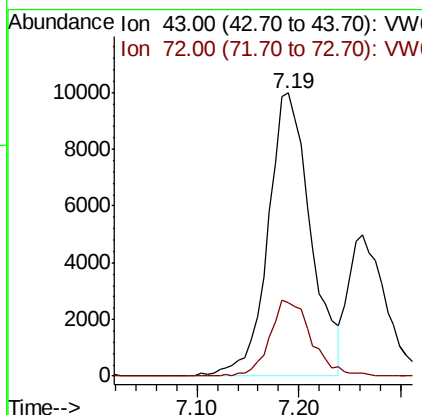
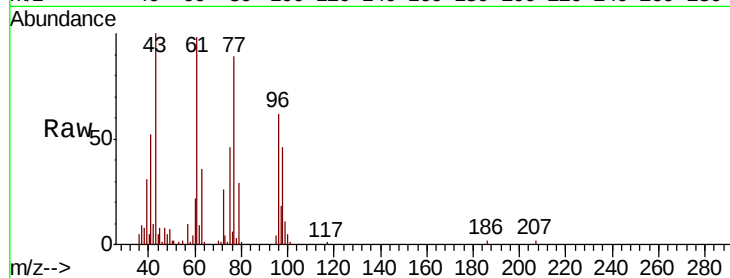
VSTDIC010

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#26

2,2-Dichloropropane

Concen: 12.07 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005401.D

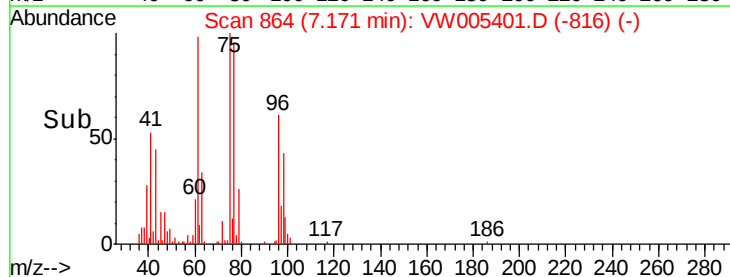
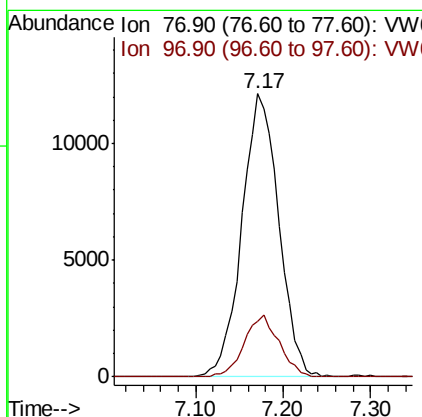
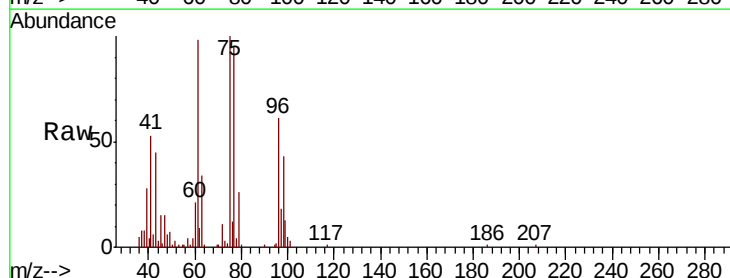
Acq: 14 Sep 2018 23:16

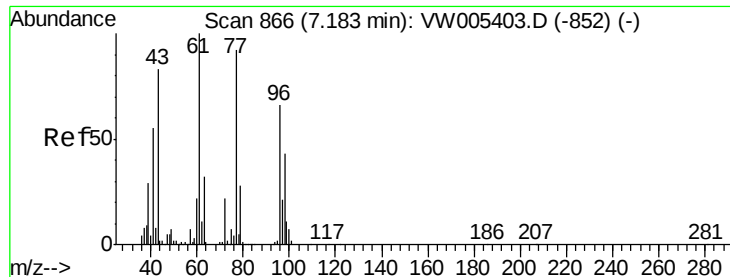
Tgt Ion: 77 Resp: 35540

Ion Ratio Lower Upper

77 100

97 20.6 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 10.14 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

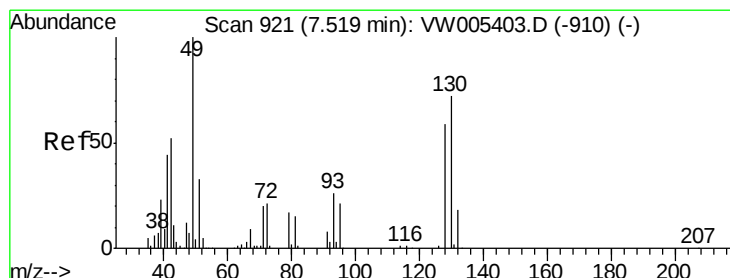
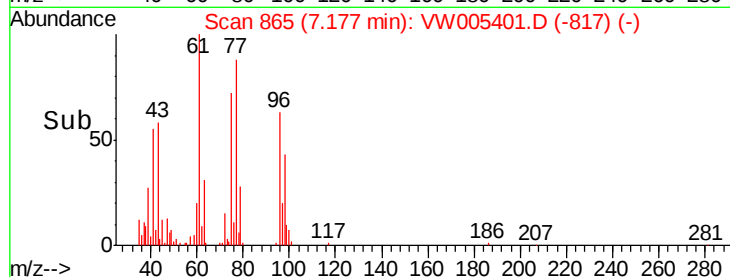
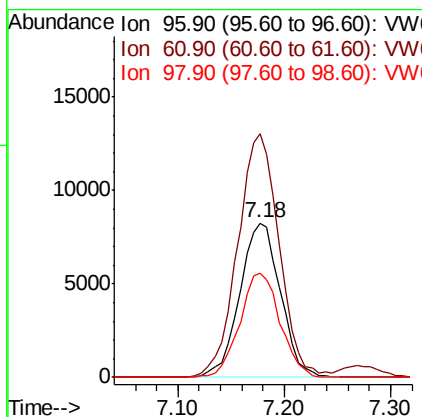
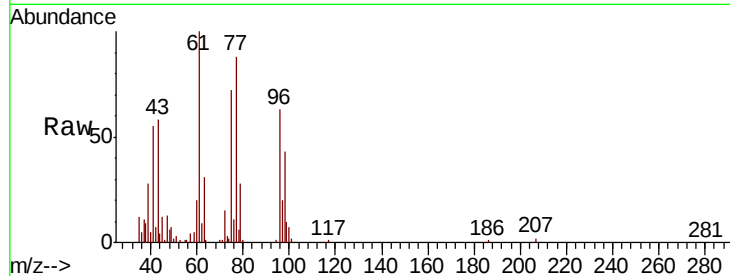
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	22060
Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	316.0
98	67.0	0.0	130.8

Manual Integrations
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#28

Bromochloromethane

Concen: 12.41 ug/l

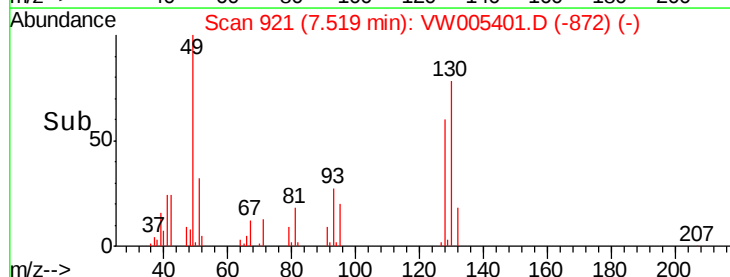
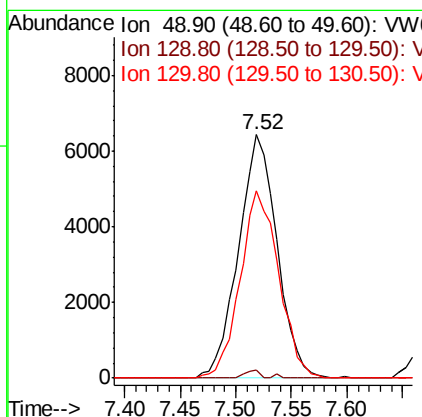
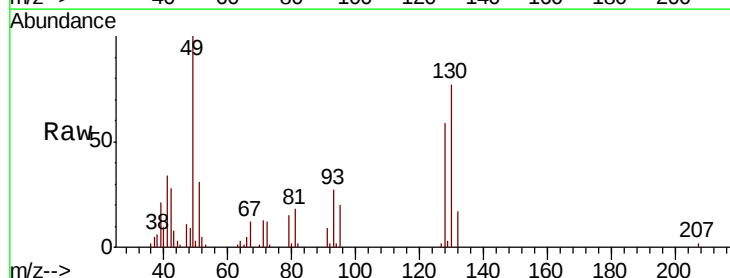
RT: 7.52 min Scan# 921

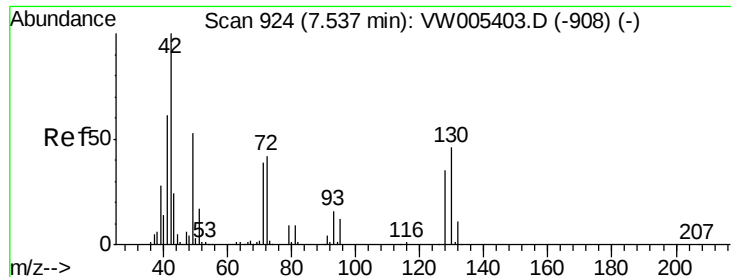
Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Tgt Ion:	49	Resp:	15484
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.0#
130	77.0	61.4	92.2





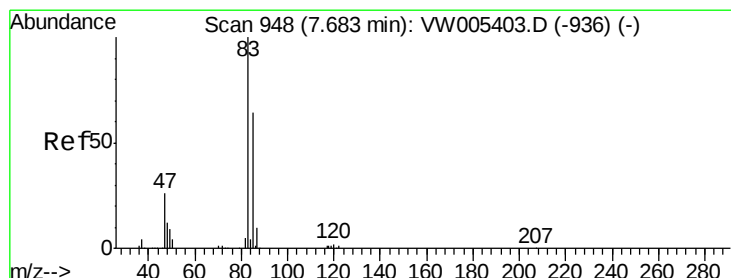
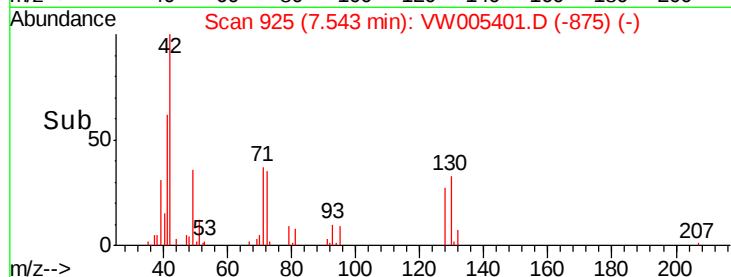
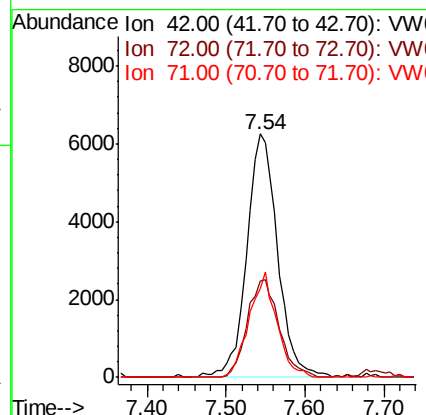
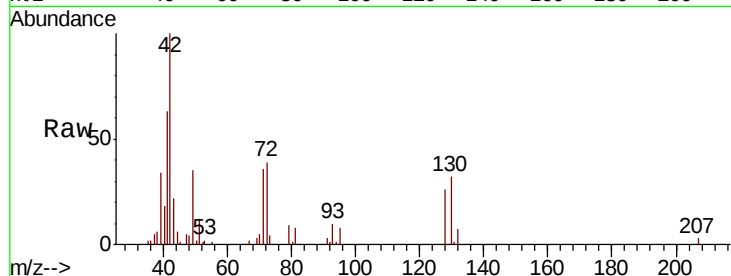
#29
Tetrahydrofuran
Concen: 51.63 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.2	49.8
71	38.7	31.0	46.6

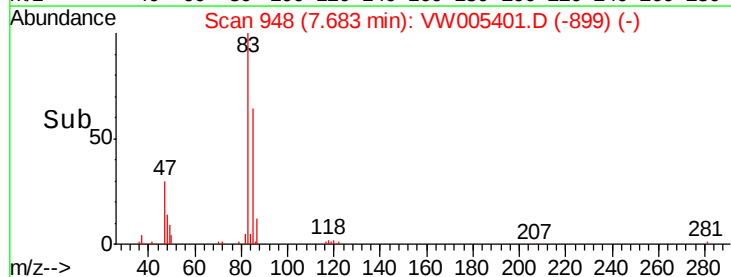
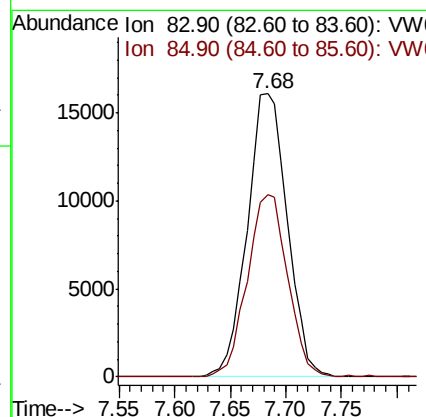
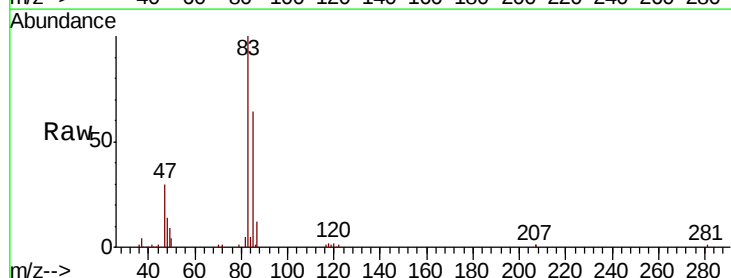
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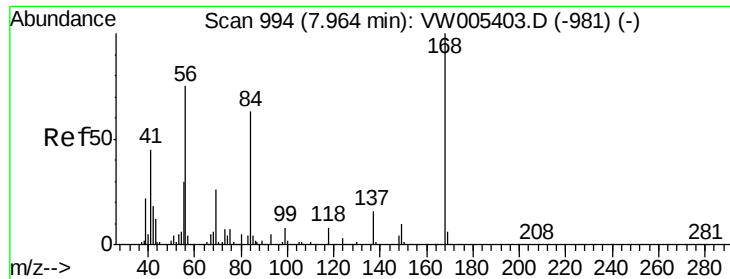
apatel
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#30
Chloroform
Concen: 11.84 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





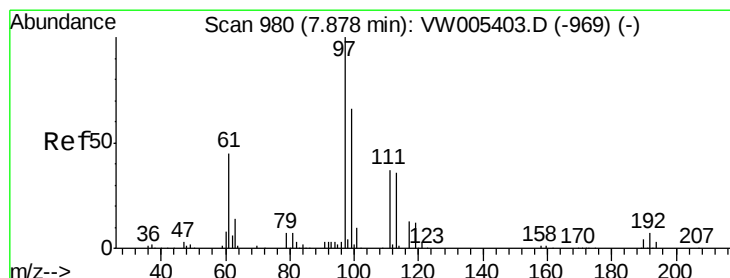
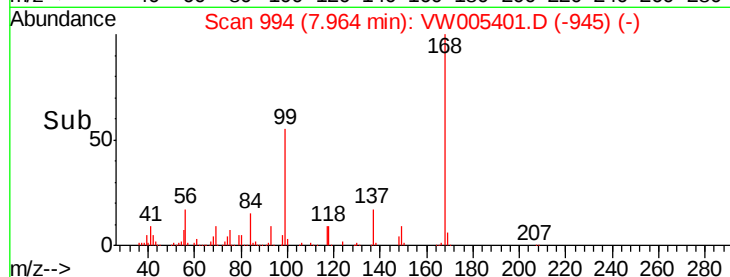
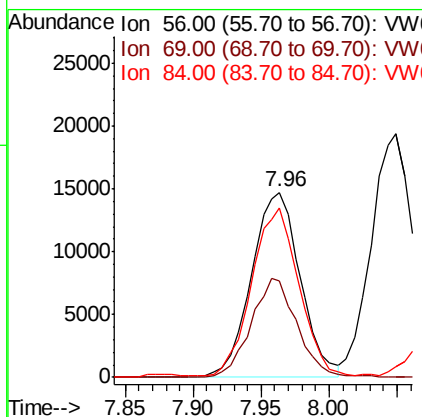
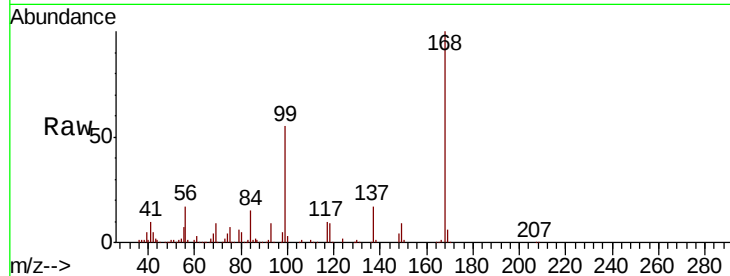
#31
Cyclohexane
Concen: 10.50 ug/l
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	52.3	27.2	40.8#
84	90.2	66.7	100.1

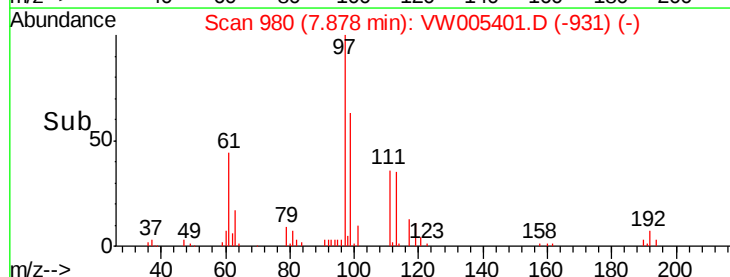
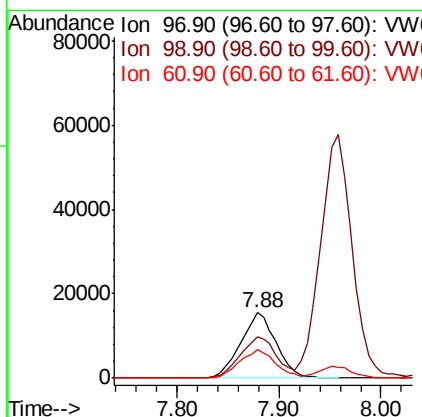
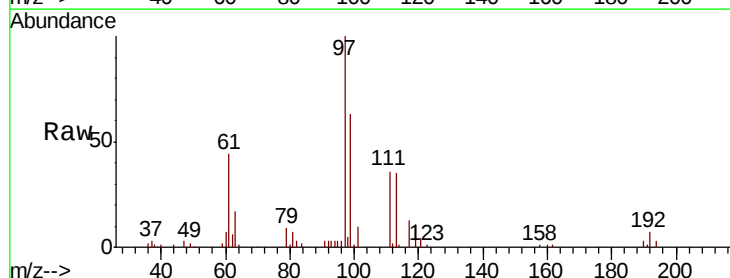
Manual Integrations
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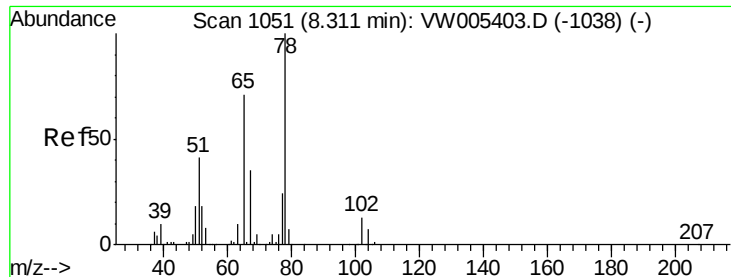
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#32
1,1,1-Trichloroethane
Concen: 12.07 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.5	77.3
61	44.3	35.8	53.6





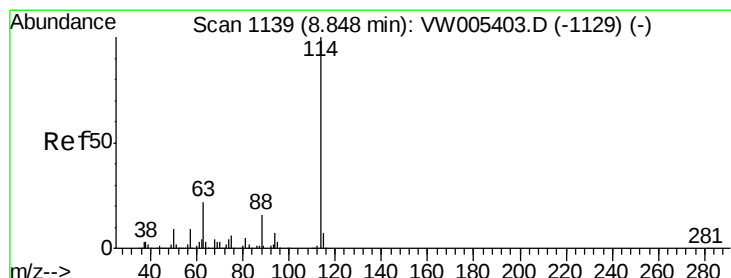
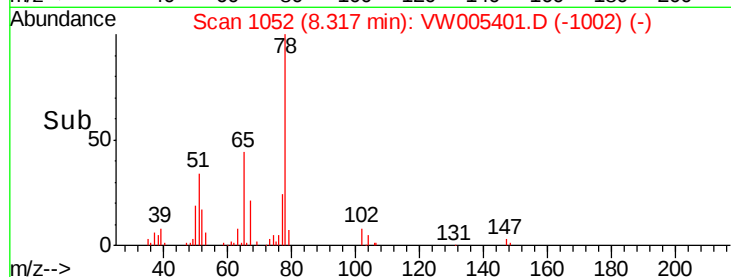
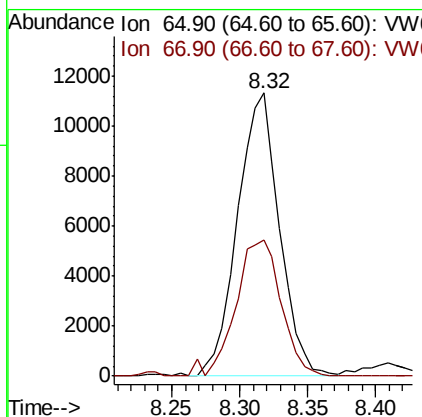
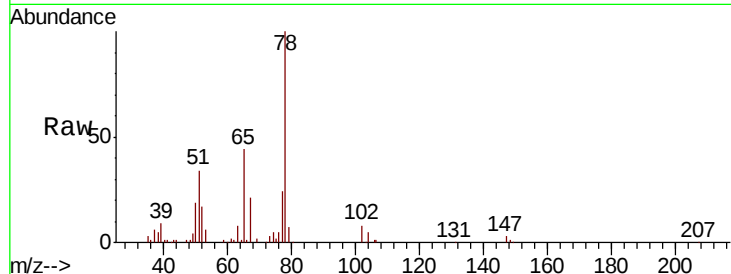
#33
 1,2-Dichloroethane-d4
 Concen: 14.09 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	24354		
67	52.2	0.0	100.6	

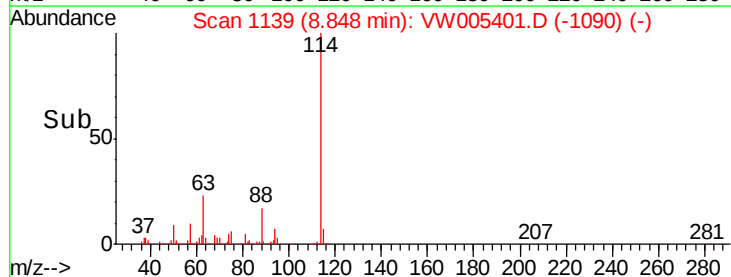
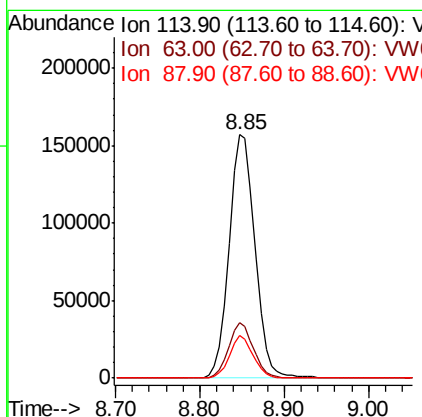
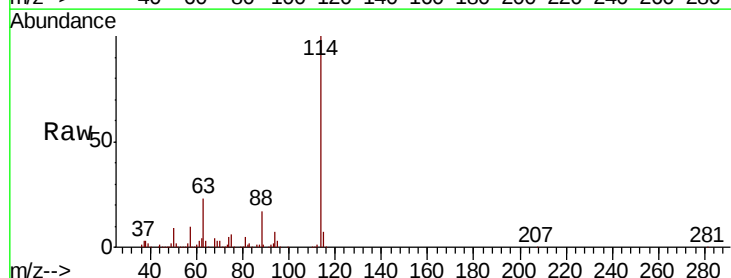
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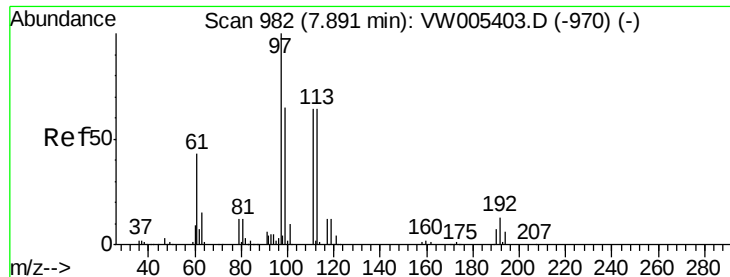
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	326580		
63	22.9	0.0	43.4	
88	17.5	0.0	31.8	





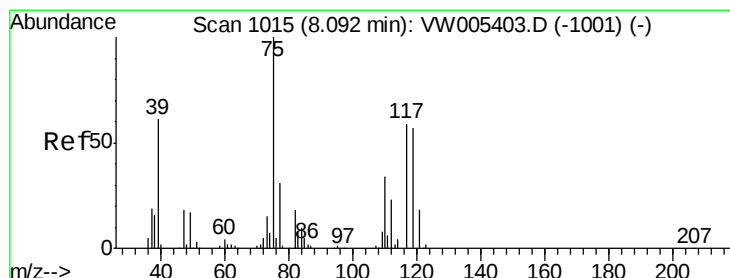
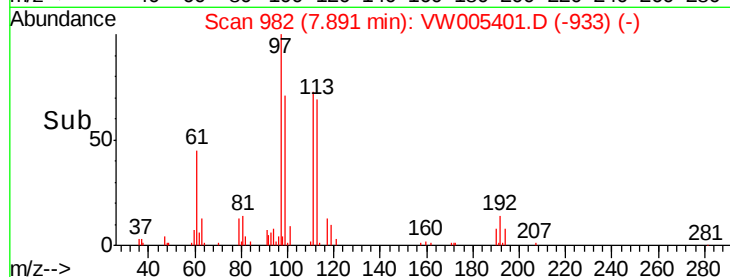
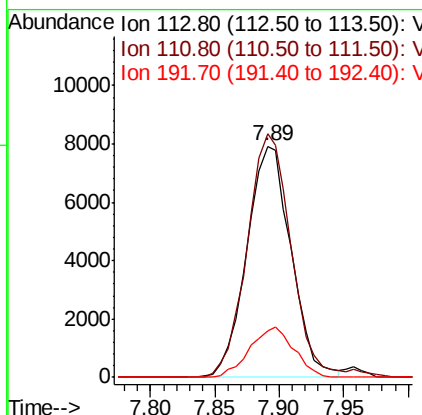
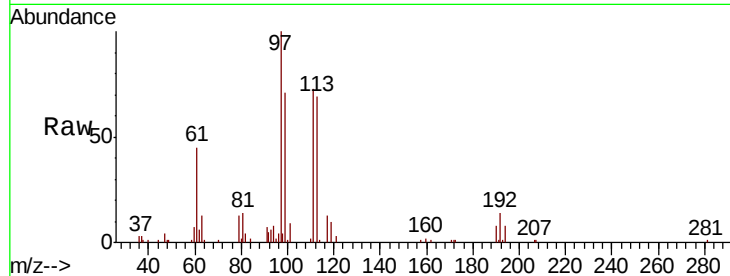
#35
Dibromofluoromethane
Concen: 10.99 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.3	123.5
192	21.6	16.5	24.7

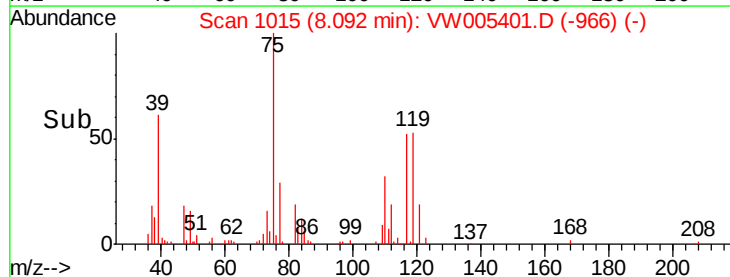
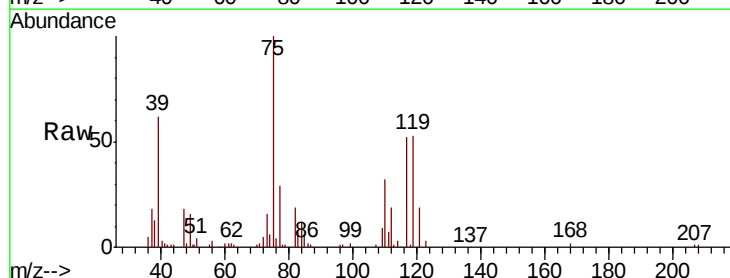
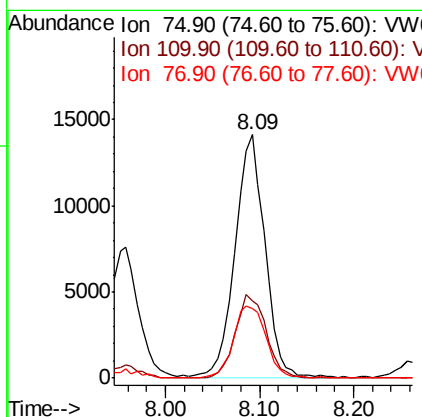
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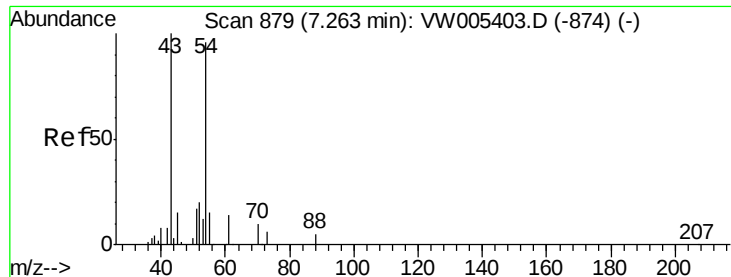
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#36
1,1-Dichloropropene
Concen: 10.50 ug/l
RT: 8.09 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.8	50.4
77	32.1	24.2	36.4





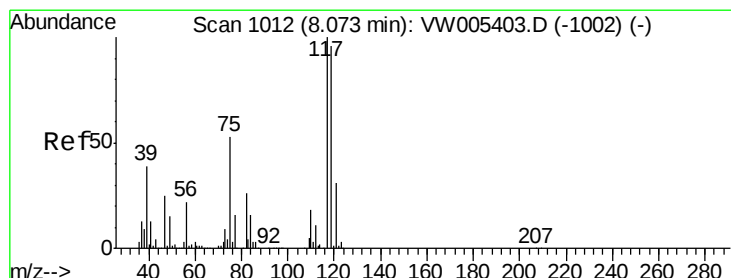
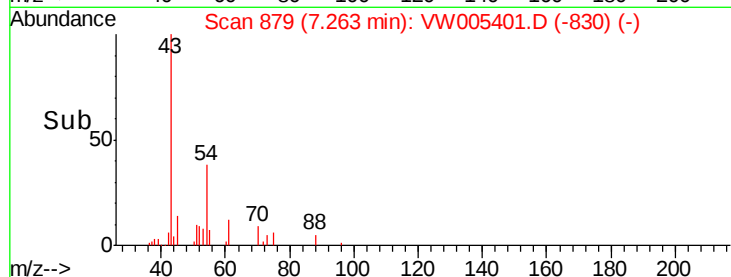
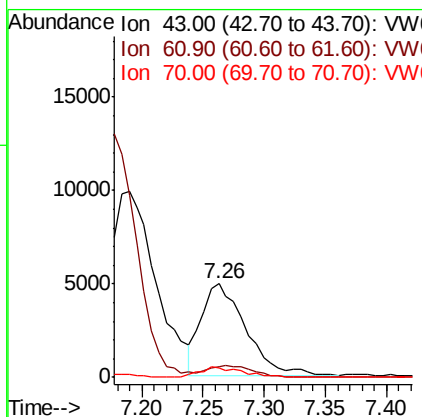
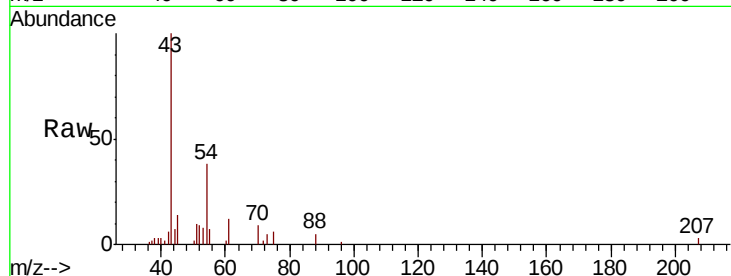
#37
Ethyl Acetate
Concen: 10.76 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	43	Resp:	12508
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.3	16.9
70	10.8	8.2	12.4

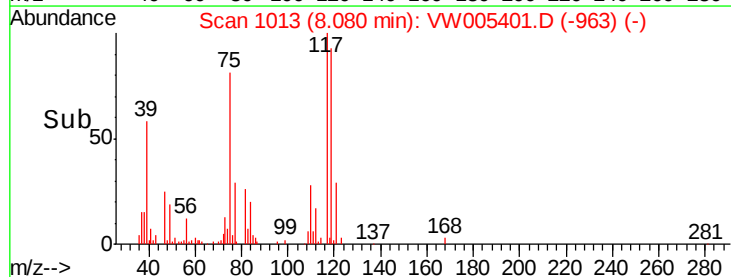
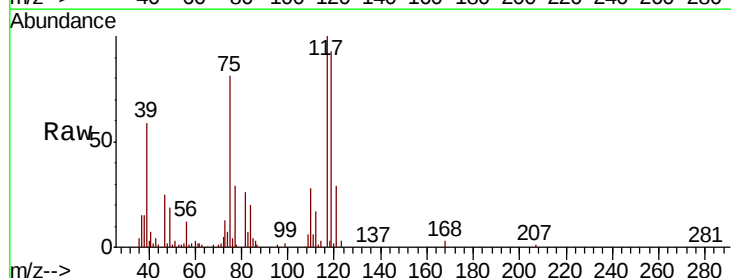
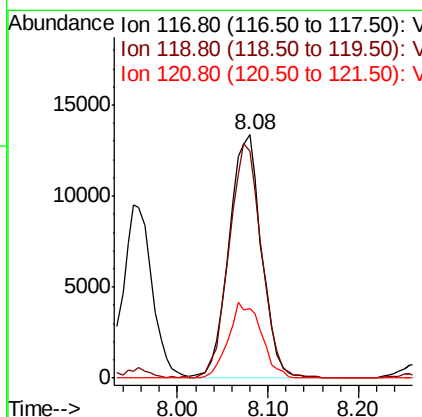
Manual Integrations
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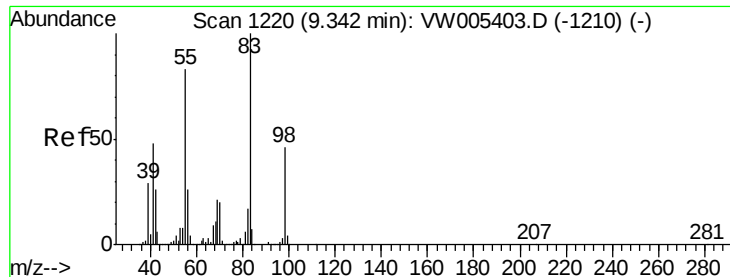
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#38
Carbon Tetrachloride
Concen: 11.66 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion:	117	Resp:	33419
Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.8	115.2
121	28.8	24.7	37.1





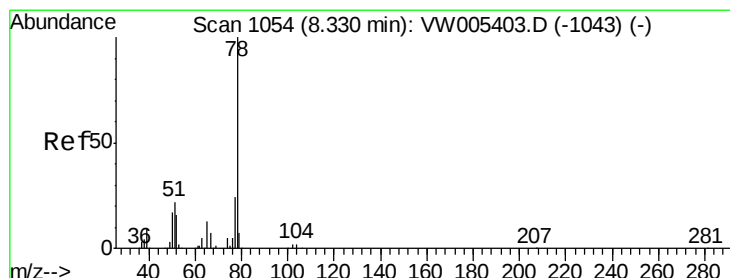
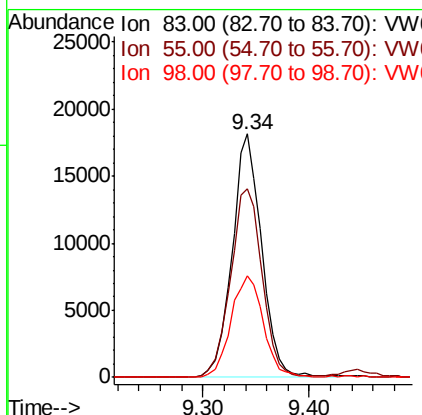
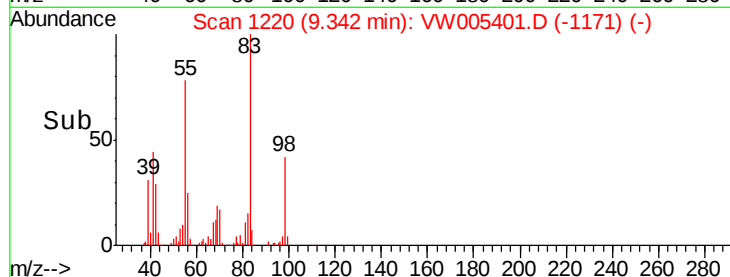
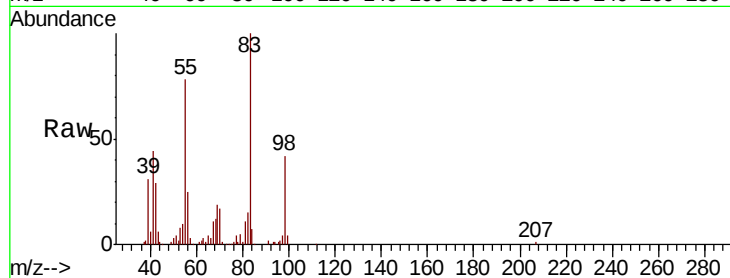
#39
Methvlcvclohexane
Concen: 9.01 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	66.1	99.1
98	41.8	36.7	55.1

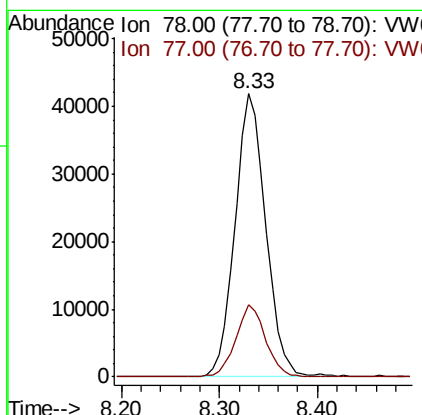
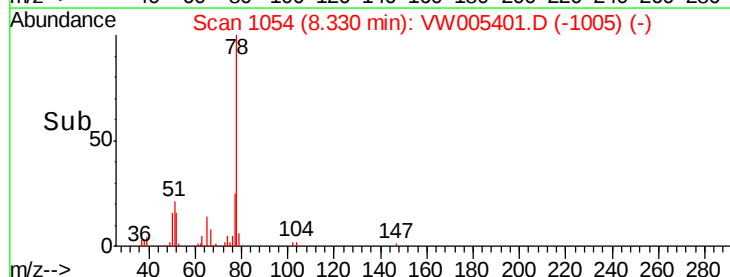
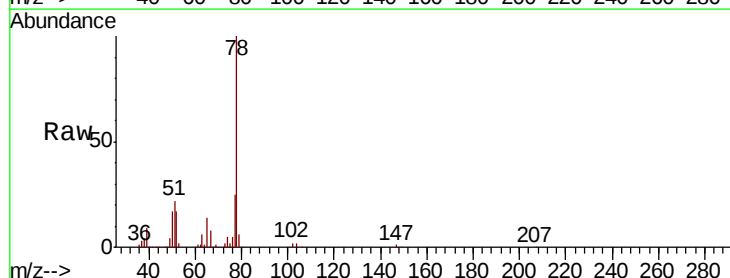
Manual Integrations
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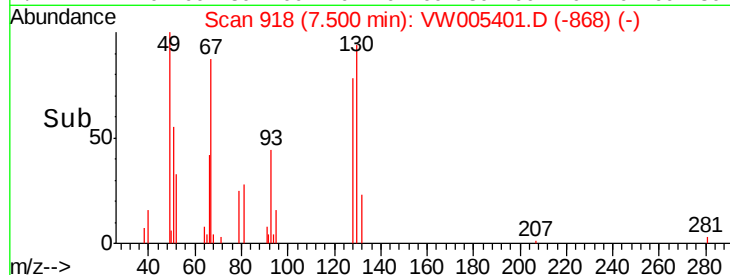
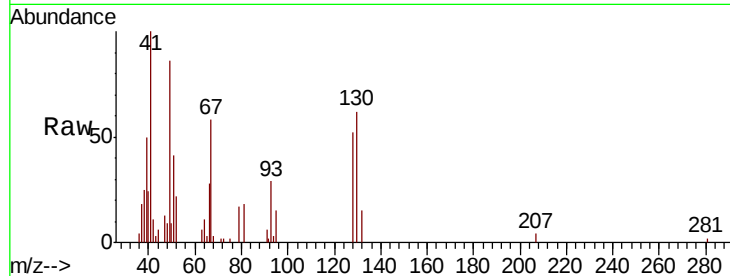
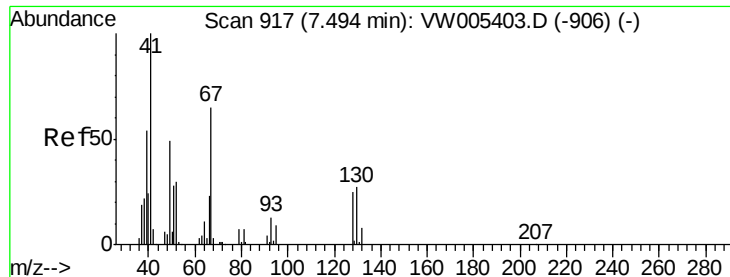
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#40
Benzene
Concen: 10.37 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

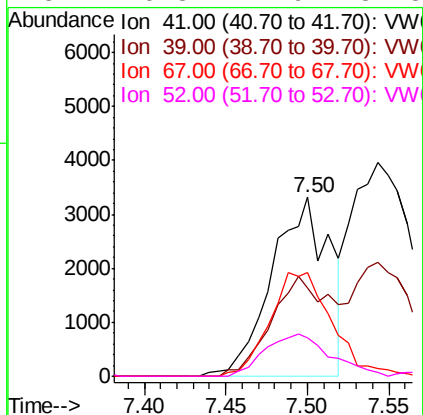
Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.3	28.9





#41
Methacrylonitrile
Concen: 13.45 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

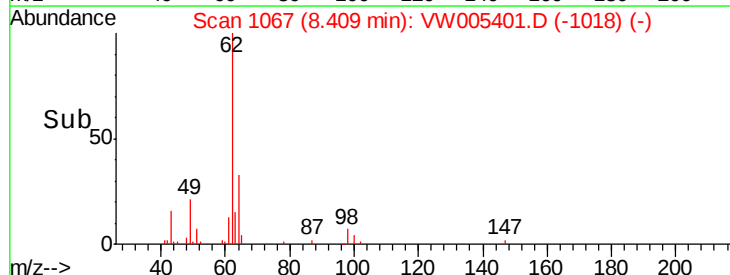
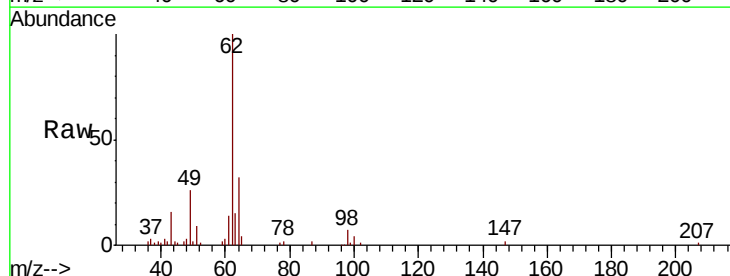
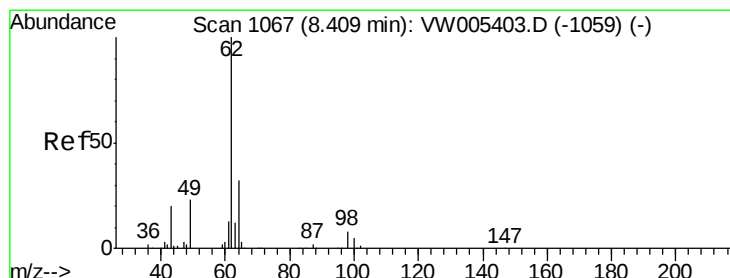
Tot Ion	41	Resp	8153
Ion	Ratio	Lower	Upper
41	100		
39	56.7	44.6	67.0
67	62.6	53.6	80.4
52	26.8	24.9	37.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

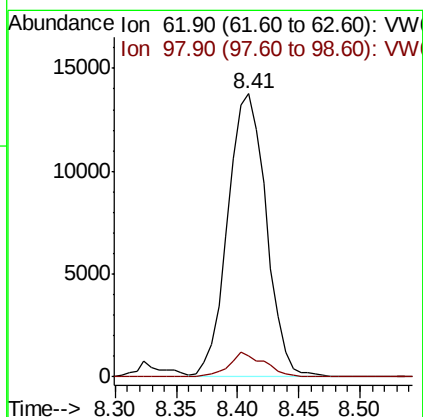
Manual Integrations
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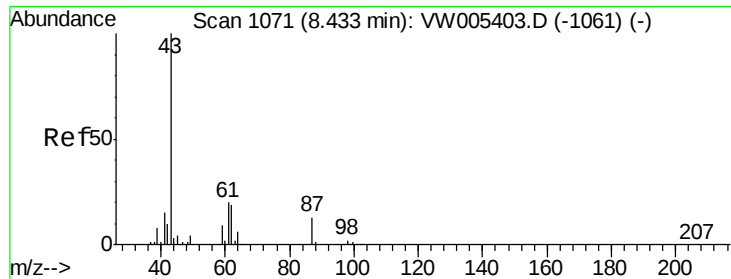
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#42
1,2-Dichloroethane
Concen: 13.53 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	62	Resp	30075
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





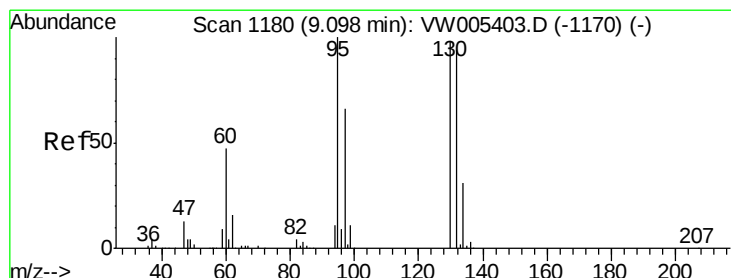
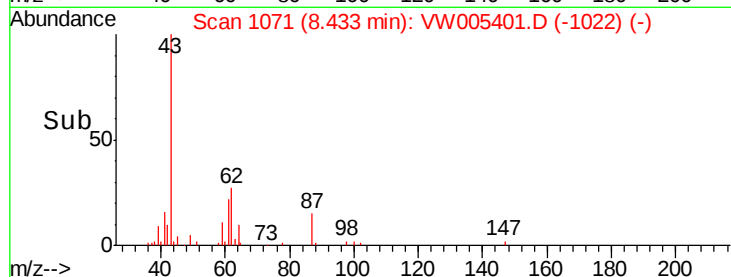
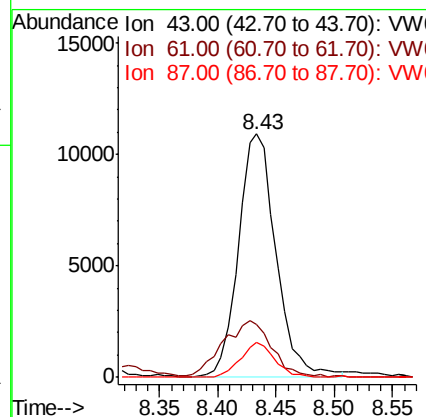
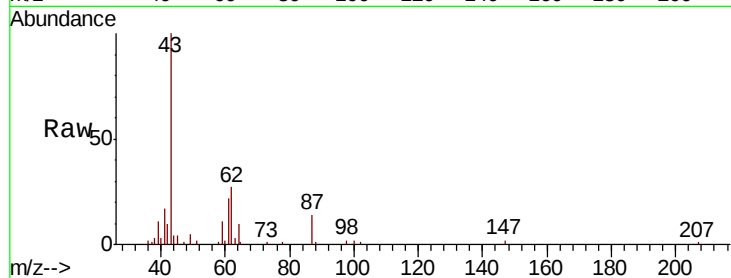
#43
Isopropyl Acetate
Concen: 11.31 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.8	35.6
87	12.8	10.1	15.1

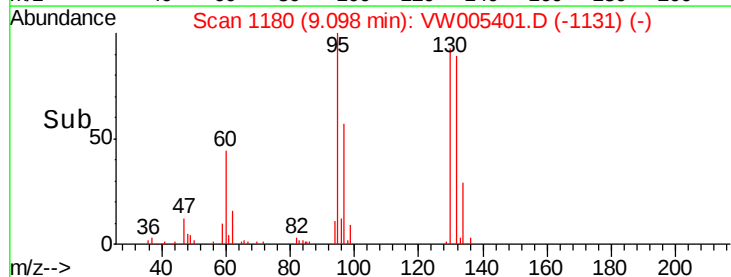
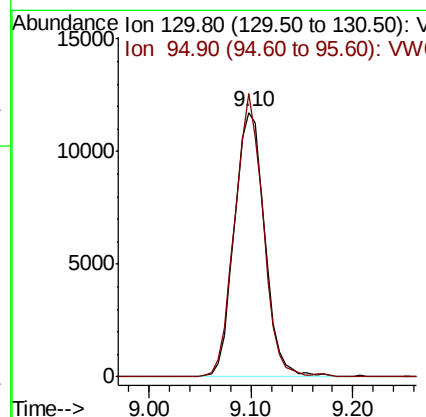
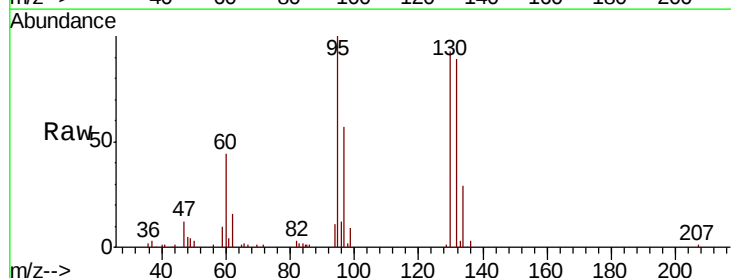
Manual Integrations
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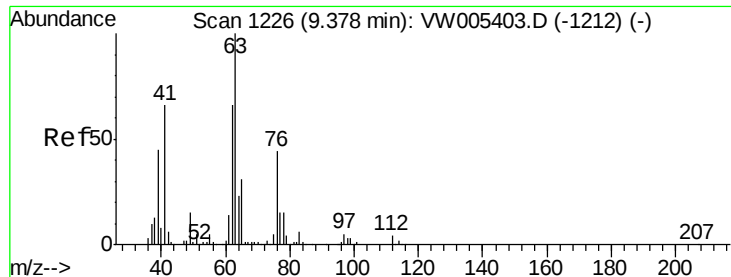
apatel
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#44
Trichloroethene
Concen: 10.08 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	204.6





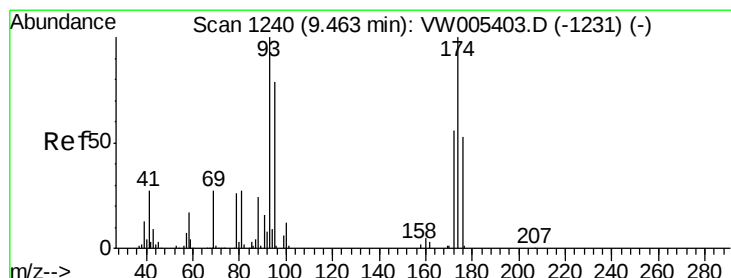
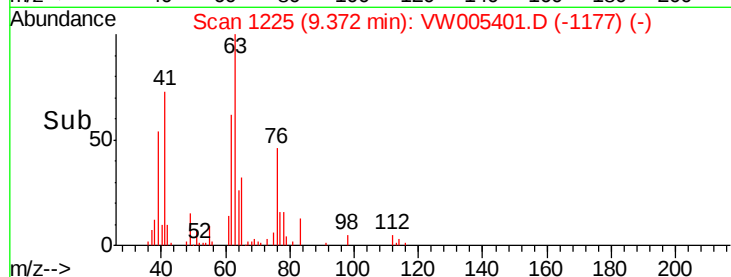
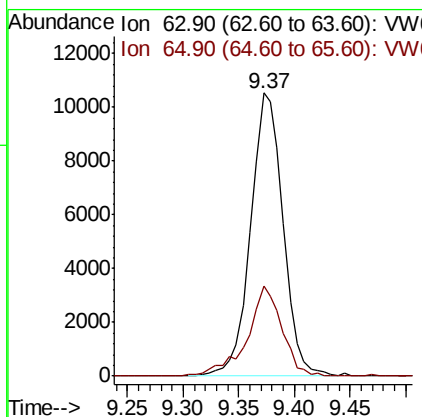
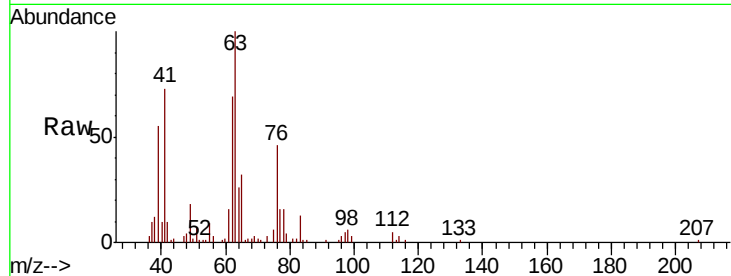
#45
 1,2-Dichloropropane
 Concen: 10.10 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.0	37.6

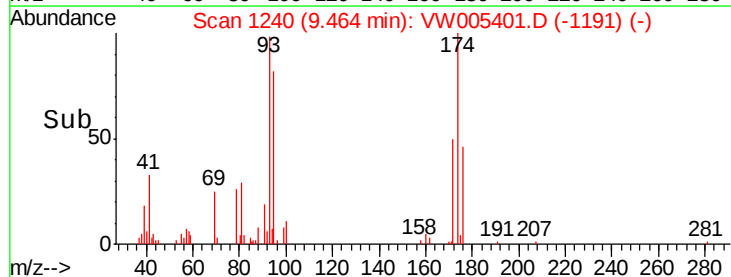
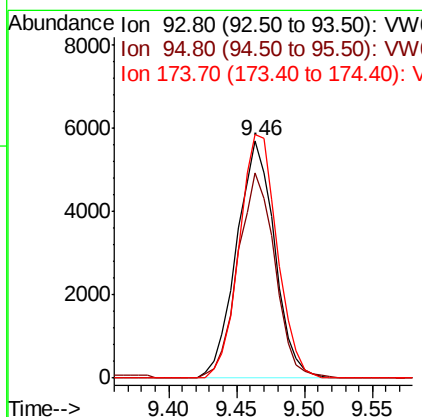
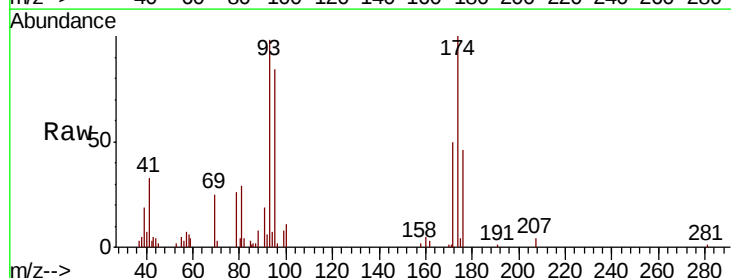
Manual Integrations
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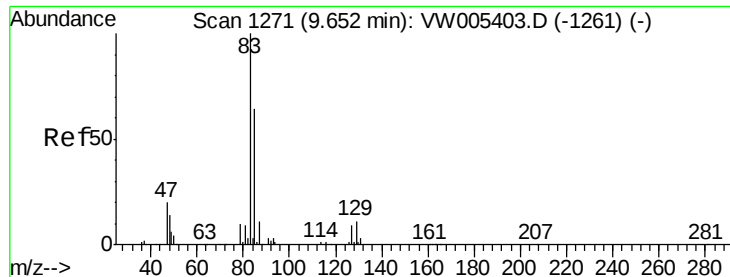
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#46
 Dibromomethane
 Concen: 10.68 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.4	98.0
174	102.3	83.4	125.2





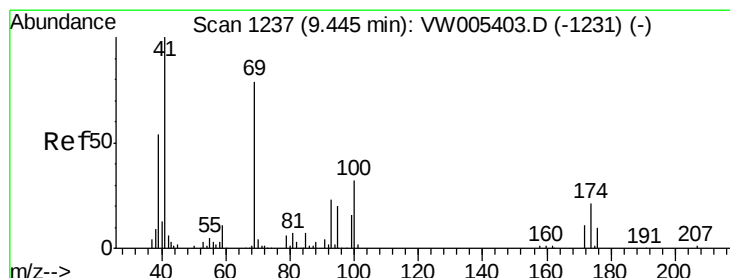
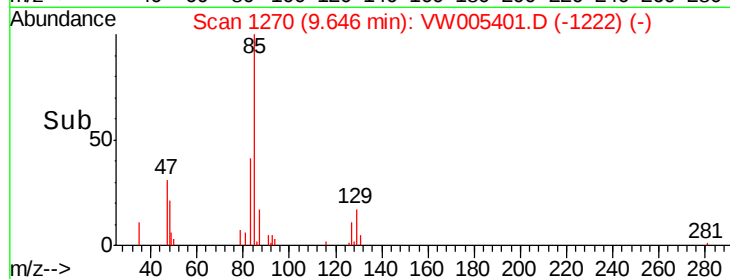
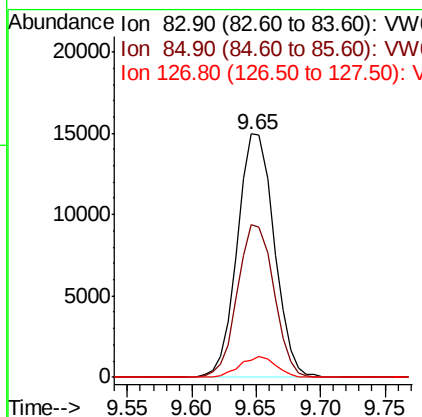
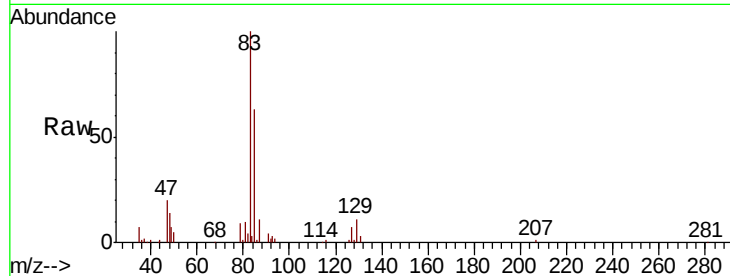
#47
Bromodichloromethane
Concen: 11.45 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	29674		
85	62.9		50.9	76.3
127	7.2		7.0	10.4

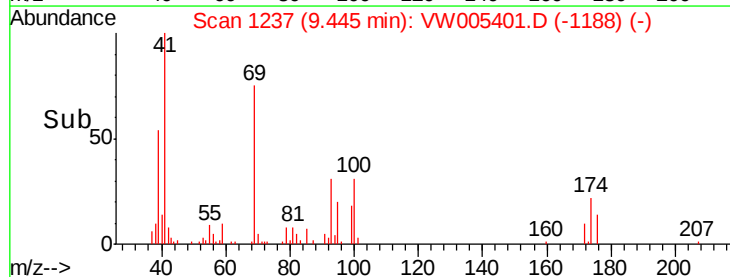
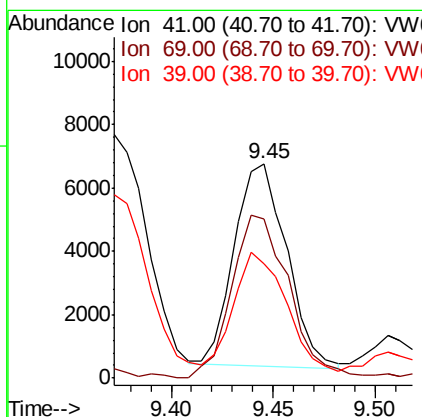
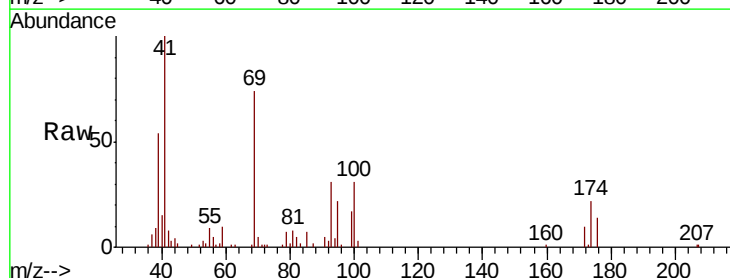
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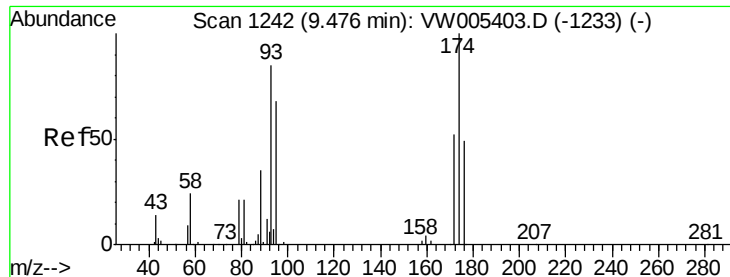
apatel
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#48
Methyl methacrylate
Concen: 10.17 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	11373		
69	88.4		67.5	101.3
39	65.8		45.5	68.3





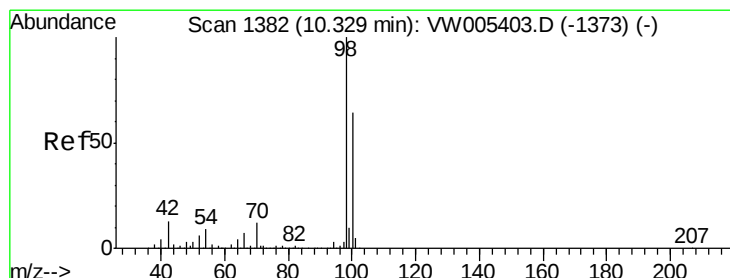
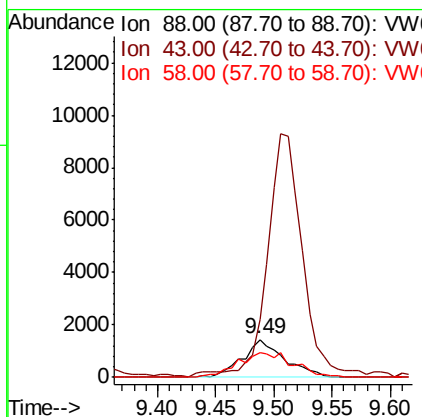
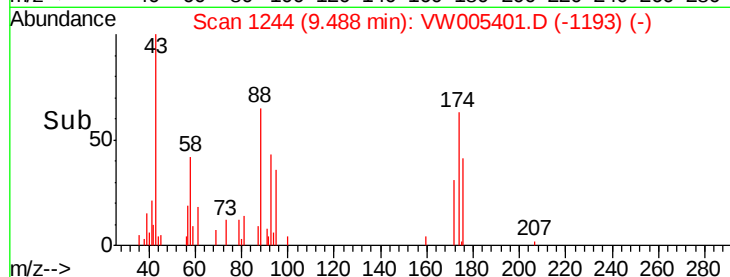
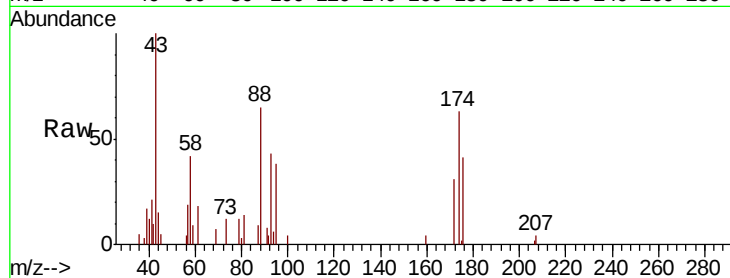
#49
1,4-Dioxane
Concen: 190.46 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	539.5	0.0	0.0#
58	85.5	62.4	93.6

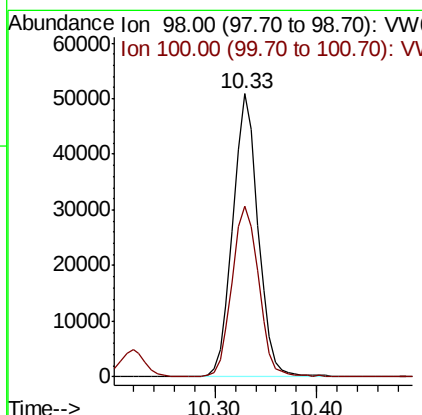
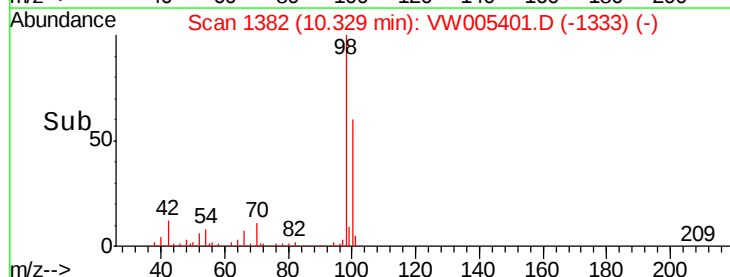
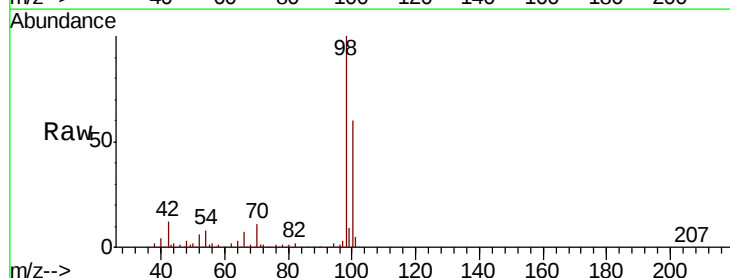
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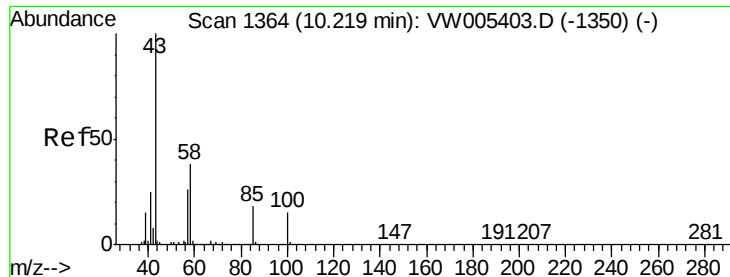
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#50
Toluene-d8
Concen: 10.21 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 52.94 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 63789

Ion Ratio Lower Upper

43 100

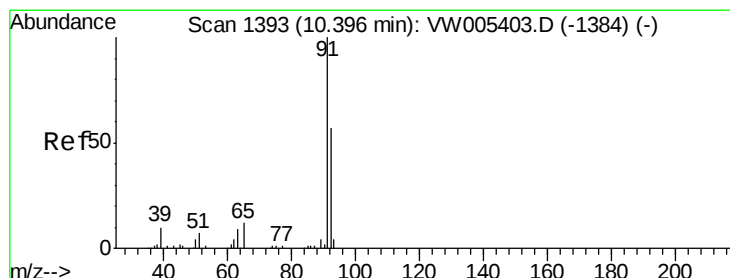
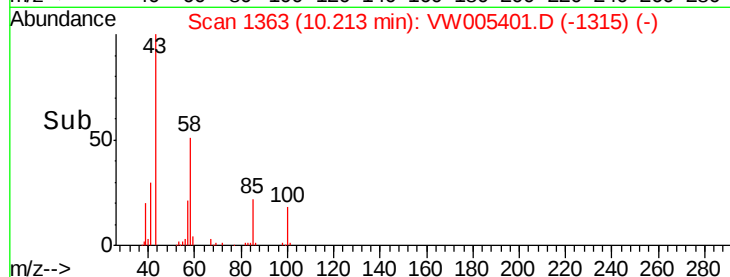
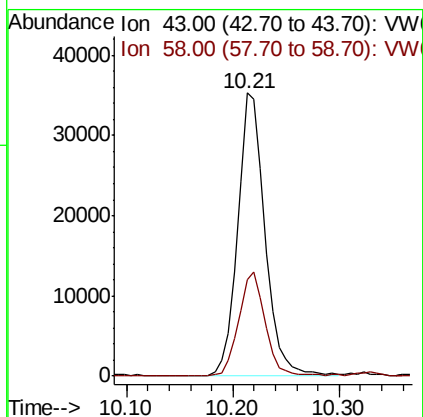
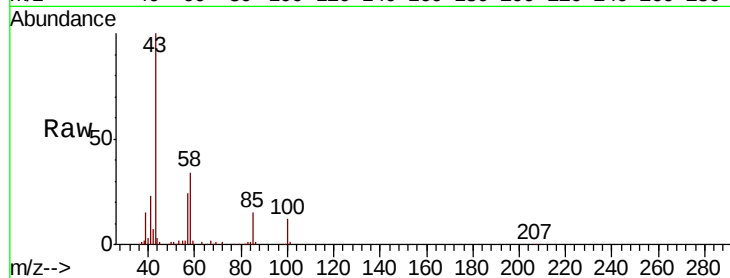
58 35.9 29.9 44.9

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#52

Toluene

Concen: 9.65 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005401.D

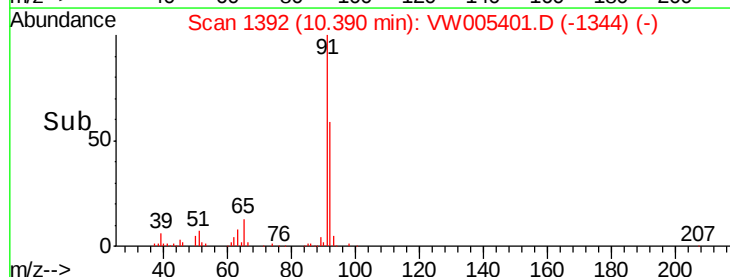
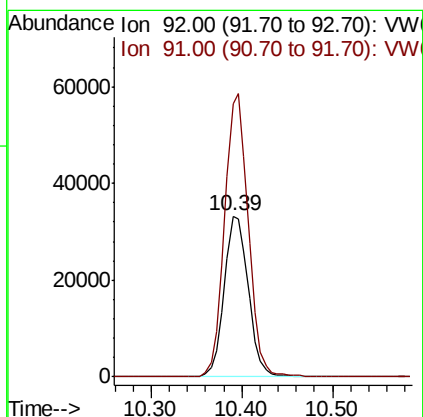
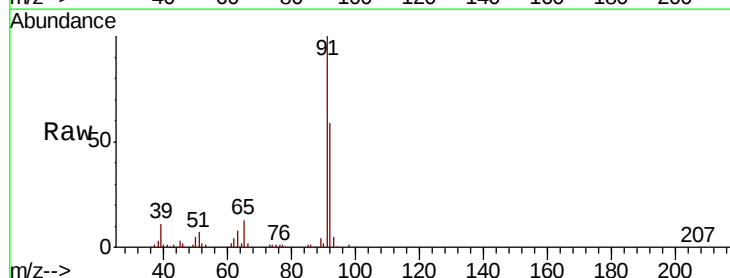
Acq: 14 Sep 2018 23:16

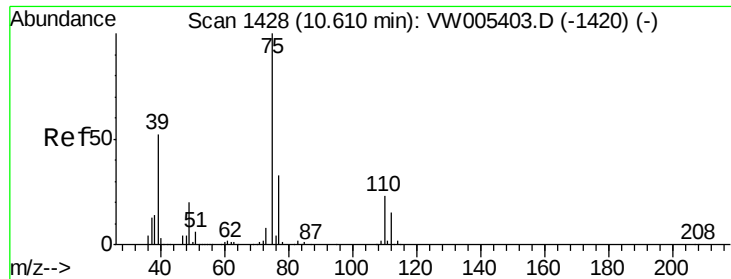
Tgt Ion: 92 Resp: 61452

Ion Ratio Lower Upper

92 100

91 173.5 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 10.14 ug/l

RT: 10.62 min Scan# 1429

Delta R.T. 0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 75 Resp: 28037

Ion Ratio Lower Upper

75 100

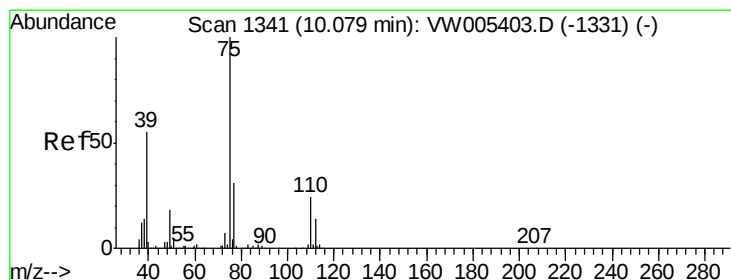
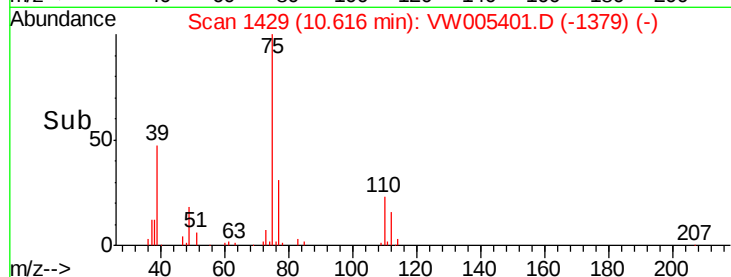
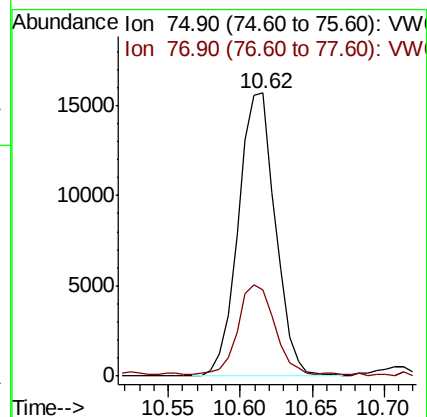
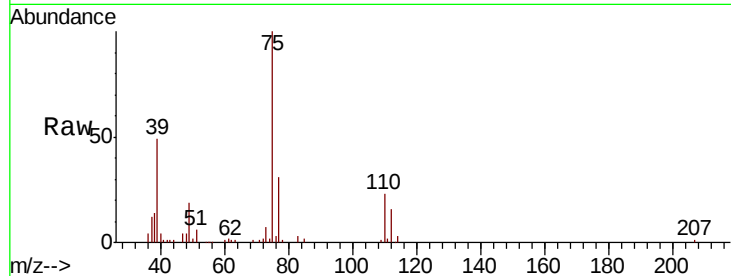
77 29.8 26.5 39.7

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#54

cis-1,3-Dichloropropene

Concen: 9.73 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

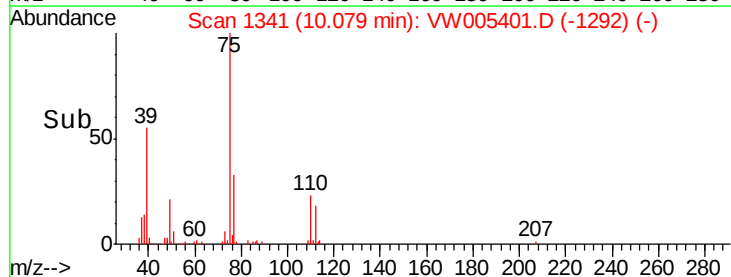
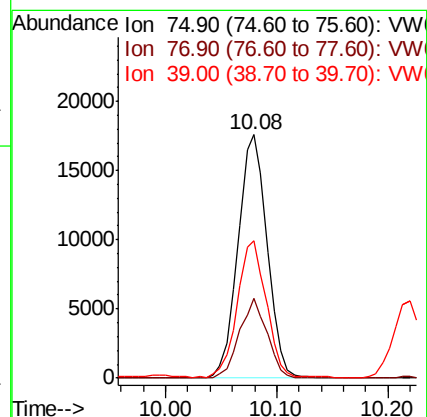
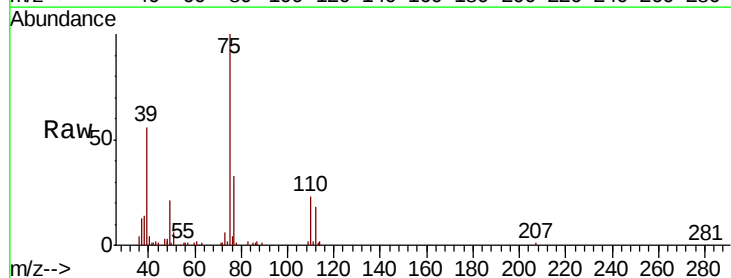
Tgt Ion: 75 Resp: 31896

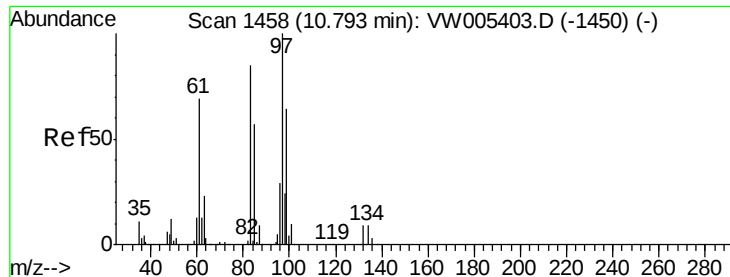
Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.4

39 56.2 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 10.07 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

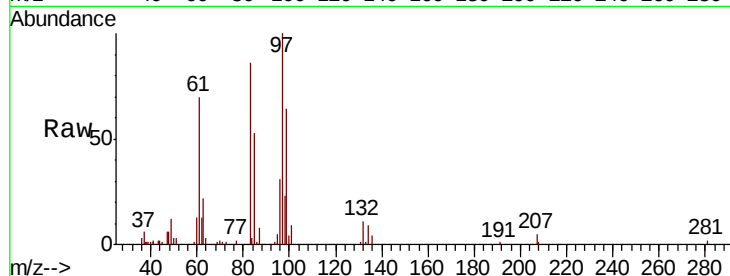
VSTDIC010

Tot Ion:	97	Resp:	16479
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.8	101.8
85	53.4	45.4	68.0
99	63.8	51.5	77.3

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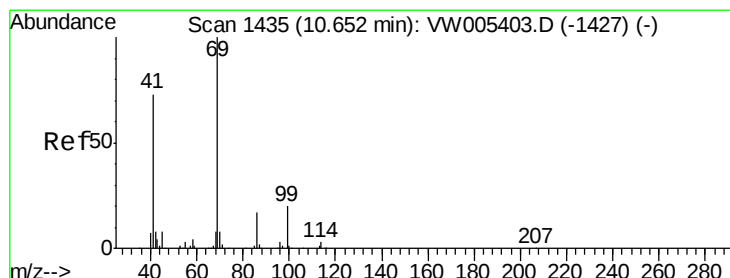
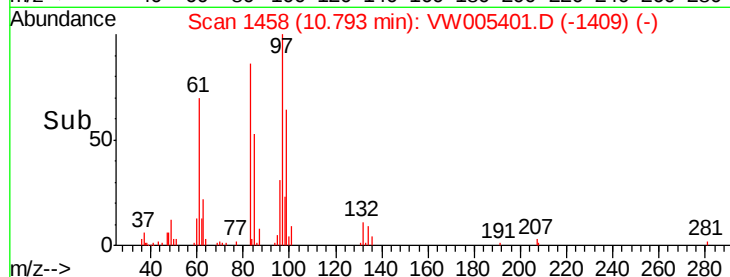
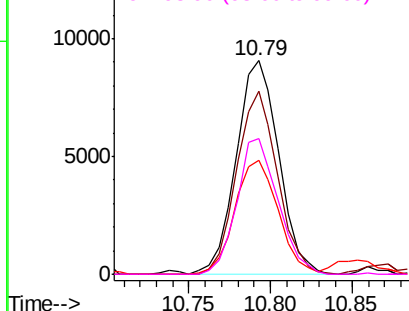
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 8.94 ug/l

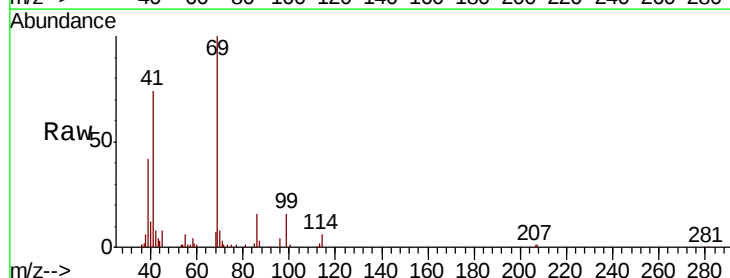
RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Tgt Ion:	69	Resp:	18615
Ion	Ratio	Lower	Upper
69	100		
41	71.0	59.3	88.9
39	35.5	30.2	45.4

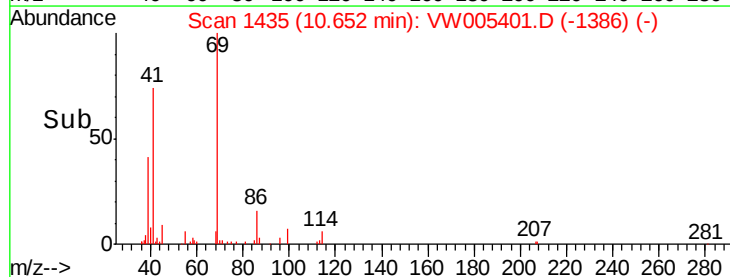
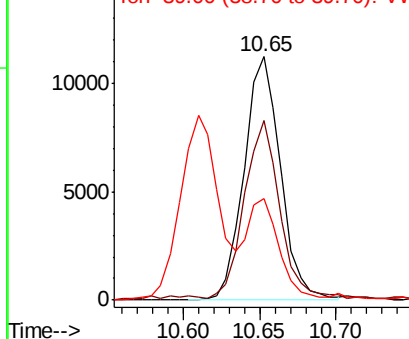


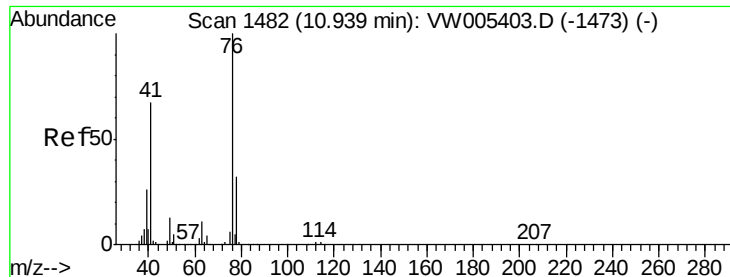
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





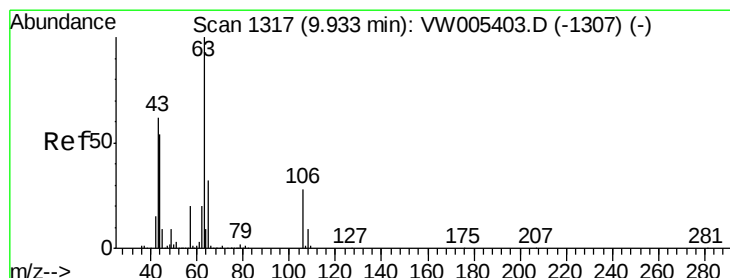
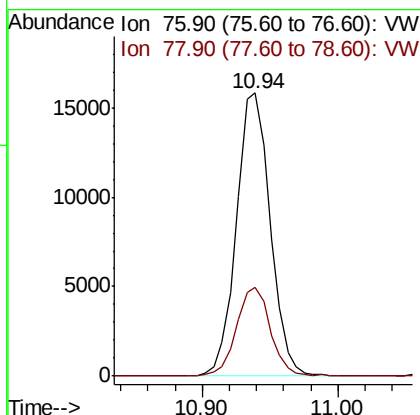
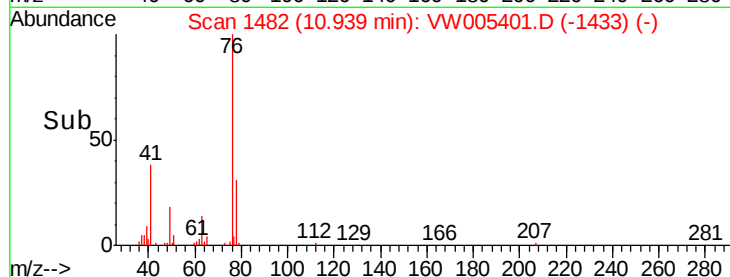
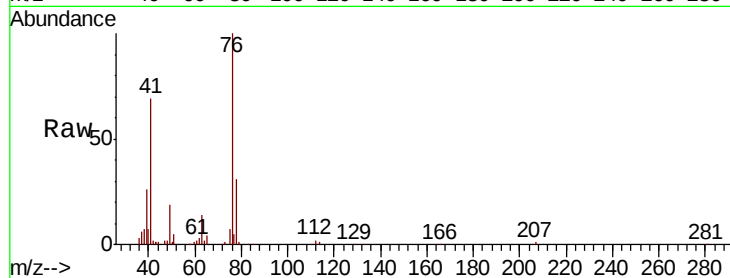
#57
 1,3-Dichloropropane
 Concen: 10.02 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.6	38.4

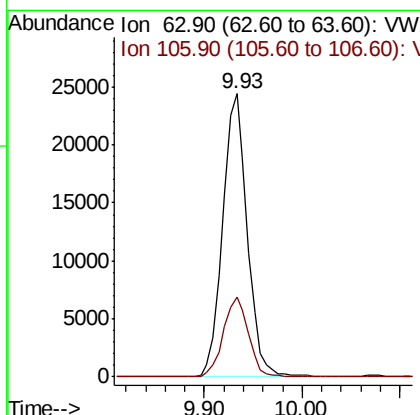
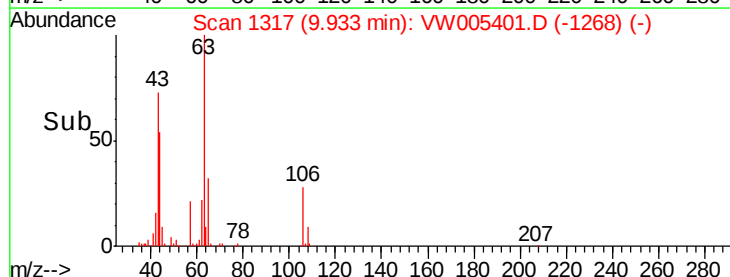
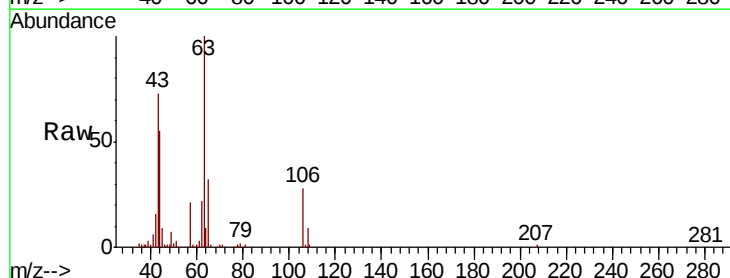
Manual Integrations
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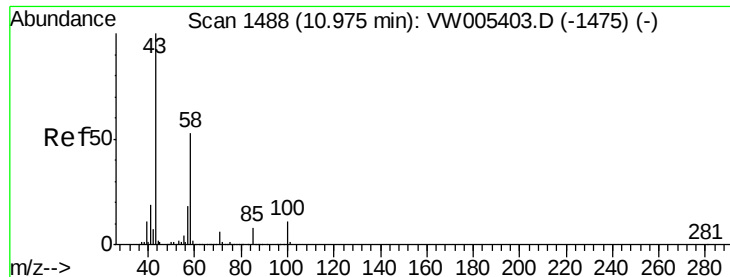
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#58
 2-Chloroethyl Vinyl ether
 Concen: 46.61 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.0	33.0





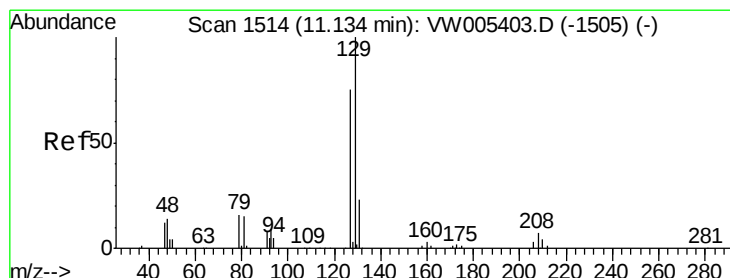
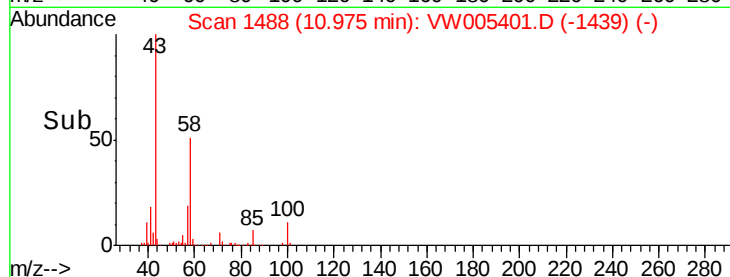
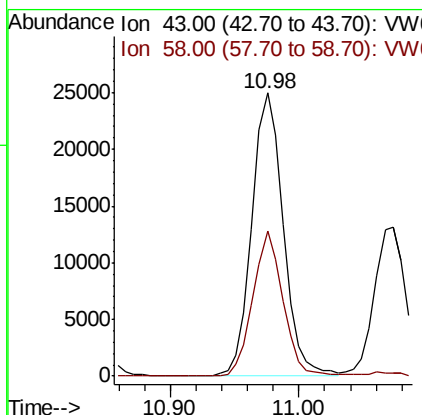
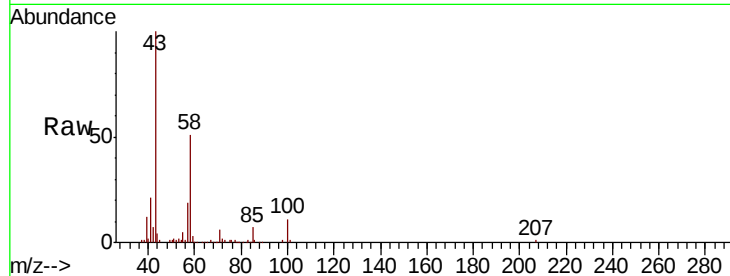
#59
2-Hexanone
Concen: 48.58 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 42027
Ion Ratio Lower Upper
43 100
58 49.0 25.5 76.5

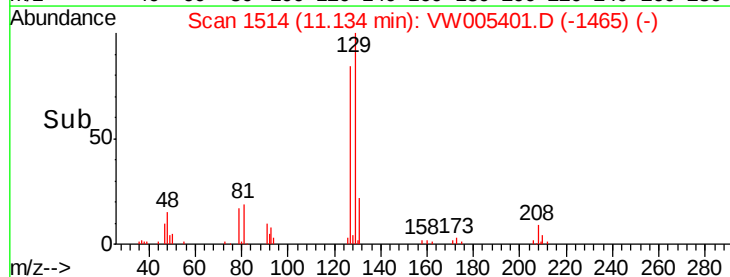
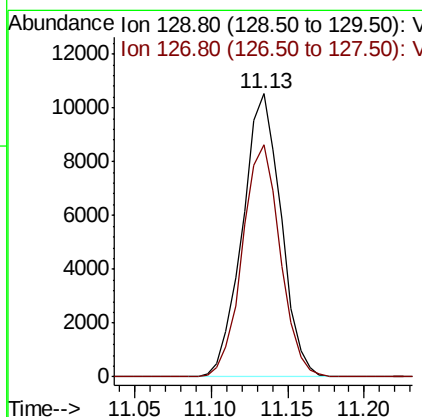
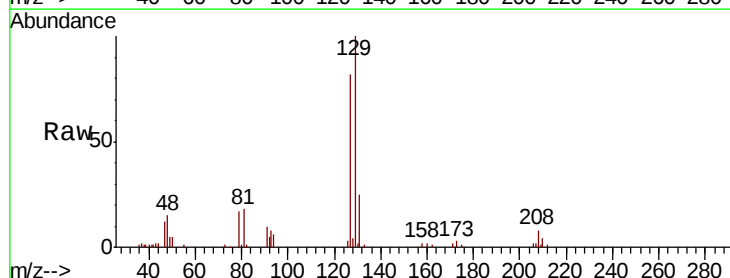
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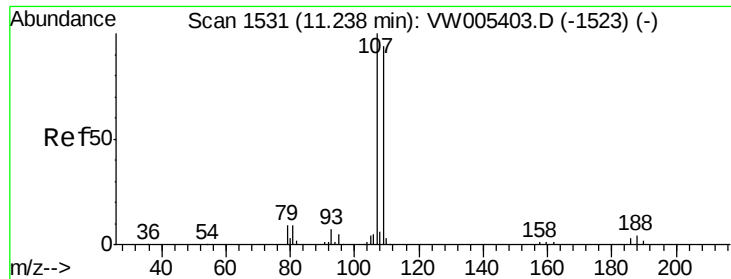
apatel
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#60
Dibromochloromethane
Concen: 10.01 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion: 129 Resp: 18436
Ion Ratio Lower Upper
129 100
127 80.4 38.5 115.3





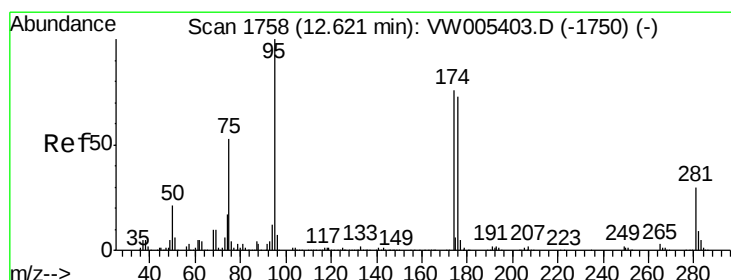
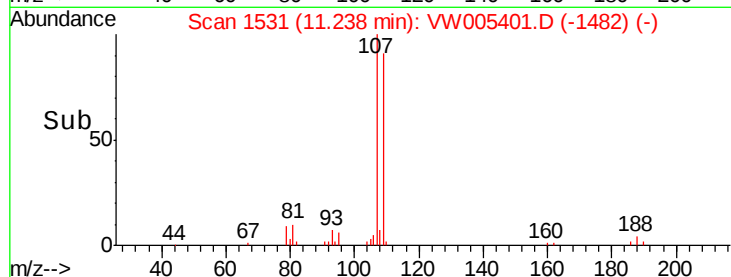
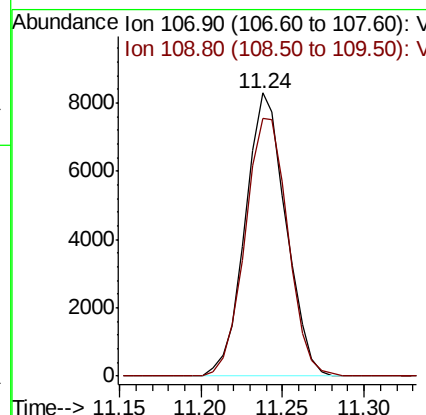
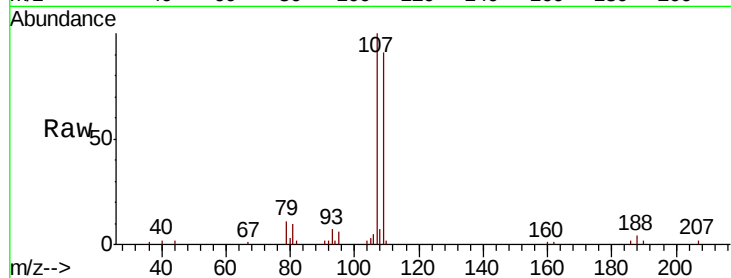
#61
 1,2-Dibromoethane
 Concen: 9.61 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.0	112.6

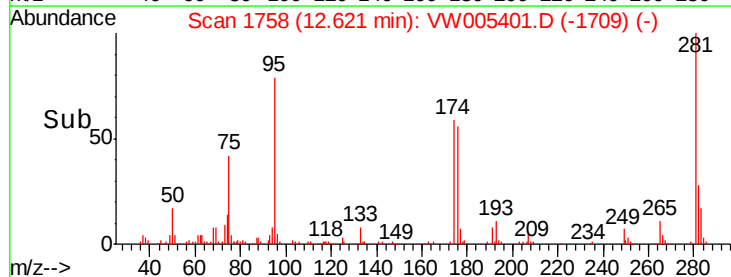
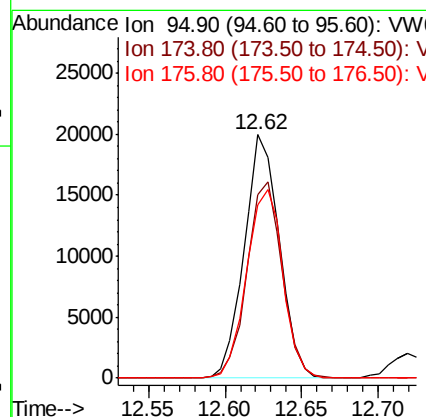
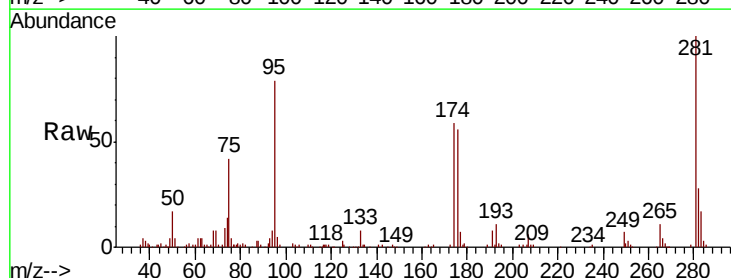
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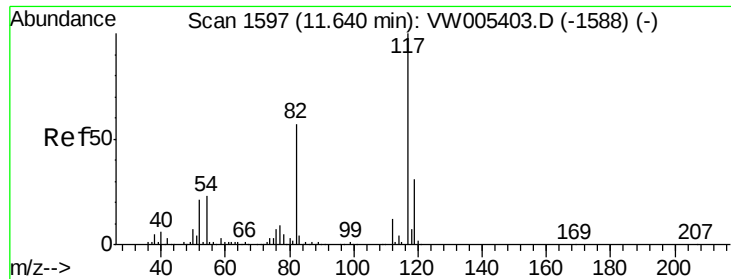
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#62
 4-Bromofluorobenzene
 Concen: 10.09 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	161.2
176	80.2	0.0	156.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

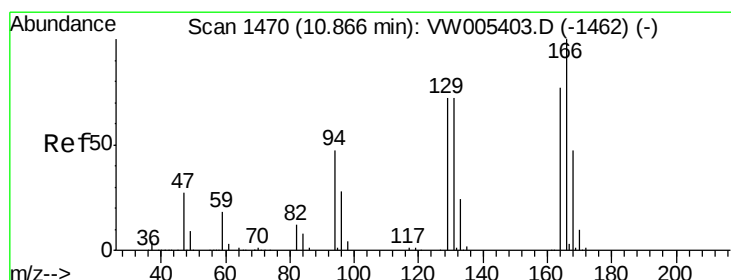
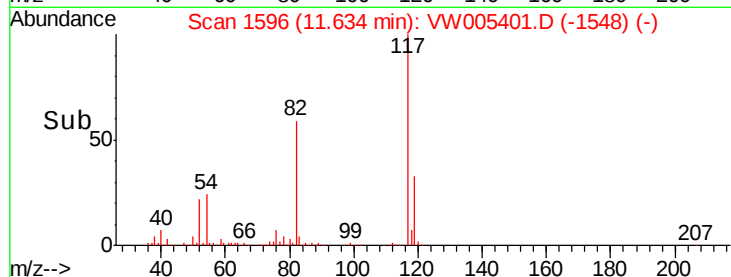
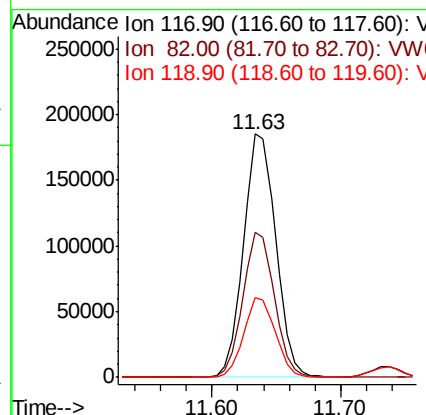
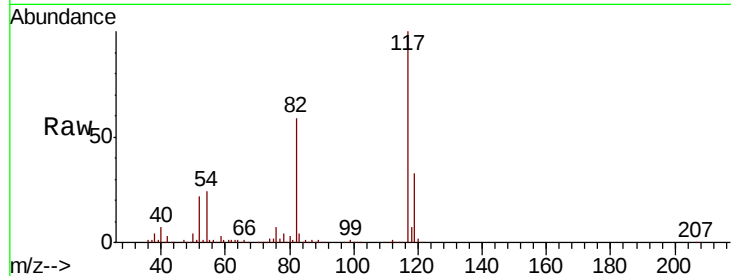
ClientSampleId :

VSTDIC010

Tot Ion:	117	Resp:	321202
Ion Ratio	Lower	Upper	
117	100		
82	59.4	45.9	68.9
119	32.7	24.8	37.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 10.07 ug/l

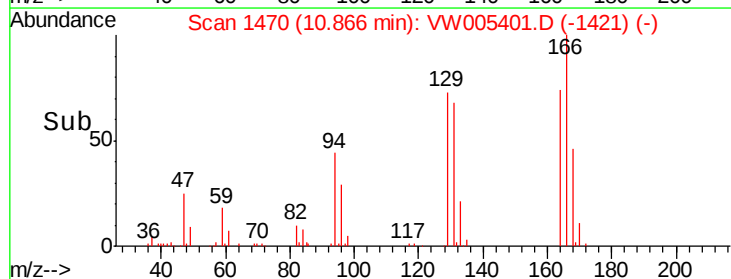
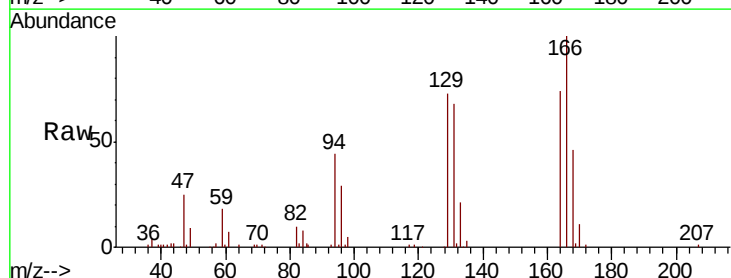
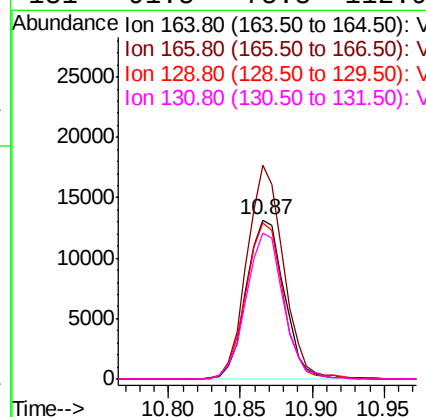
RT: 10.87 min Scan# 1470

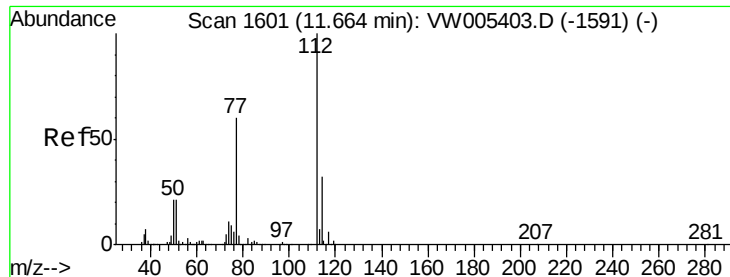
Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Tgt Ion:	164	Resp:	23934
Ion Ratio	Lower	Upper	
164	100		
166	134.3	104.0	156.0
129	98.5	74.9	112.3
131	91.5	75.3	112.9





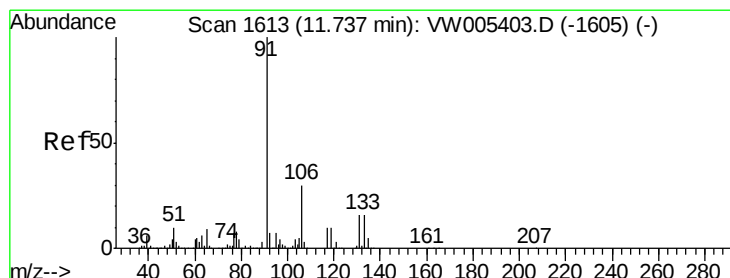
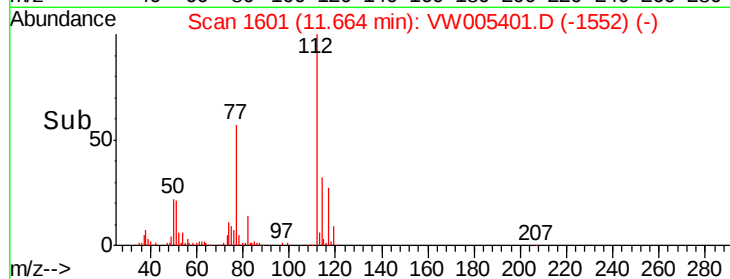
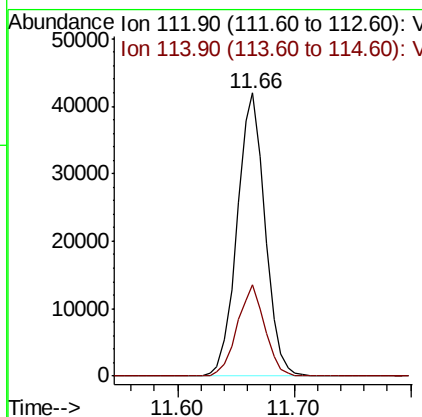
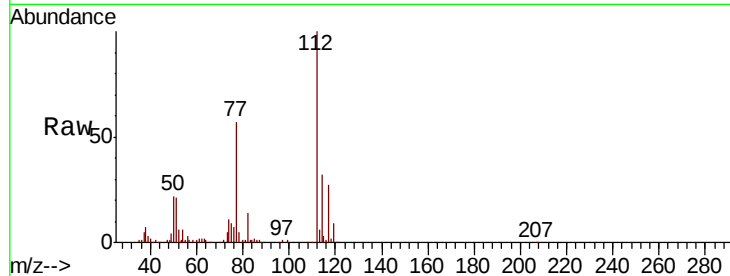
#65
Chlorobenzene
Concen: 10.05 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.3	37.9

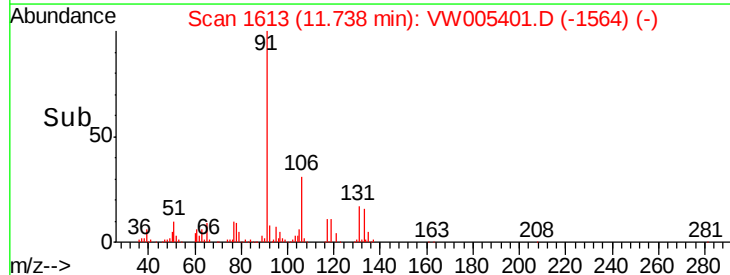
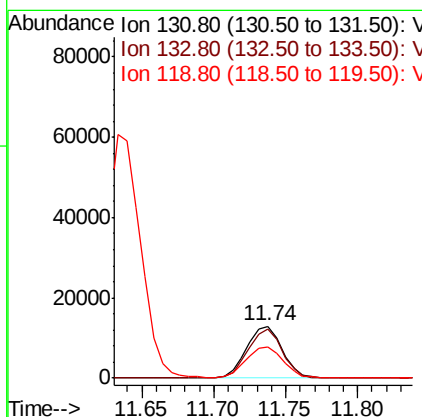
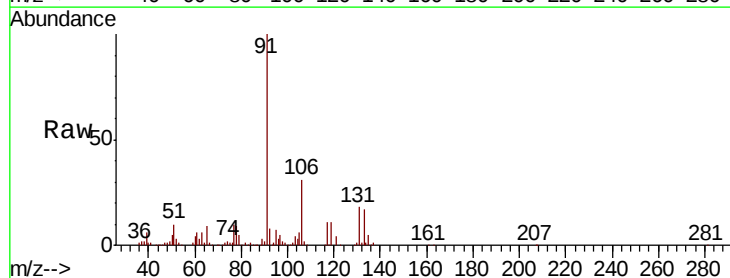
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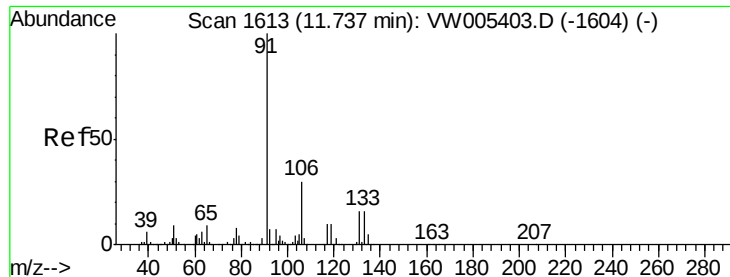
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.45 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.2	47.3	141.9
119	63.2	31.1	93.5





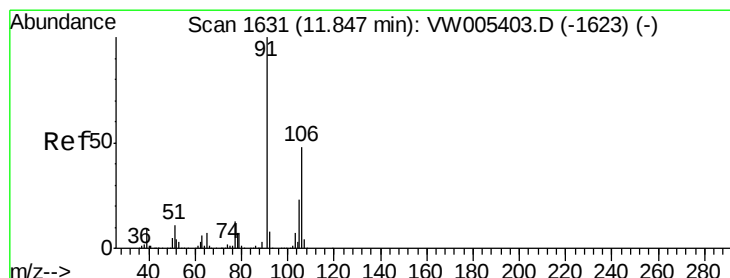
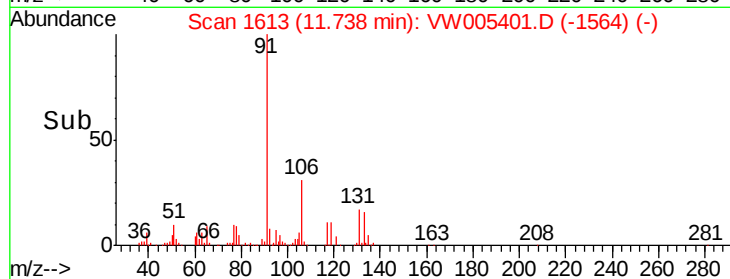
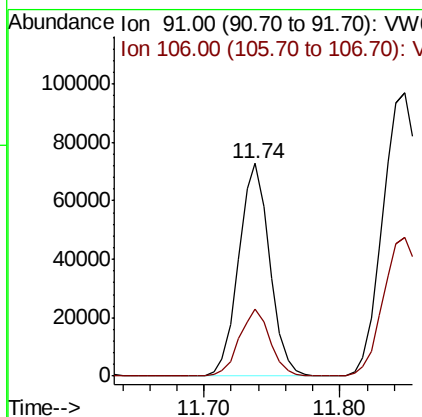
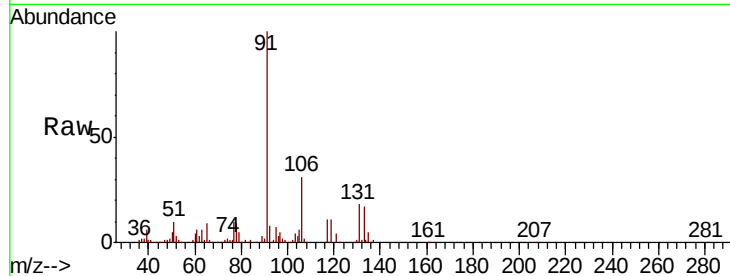
#67
Ethyl Benzene
Concen: 9.56 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 116602
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.4

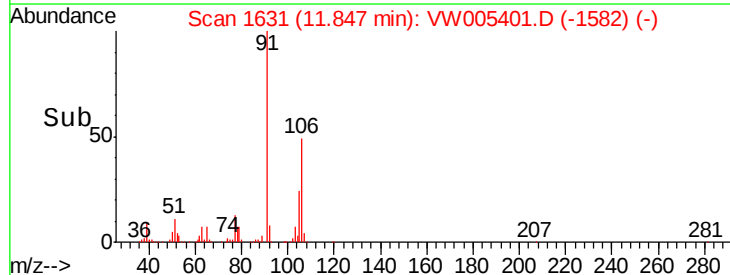
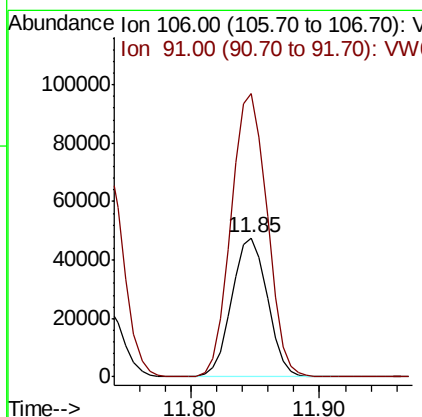
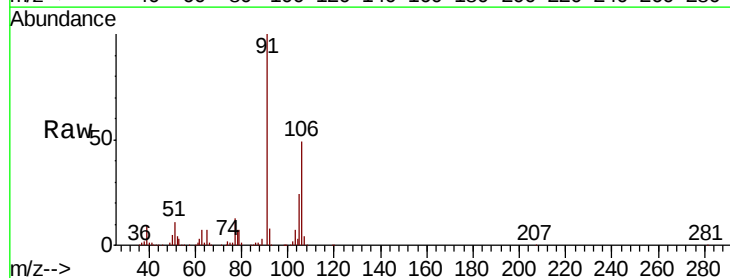
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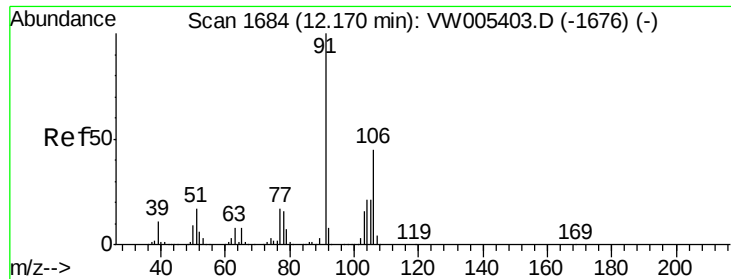
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#68
m/p-Xylenes
Concen: 18.74 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion: 106 Resp: 91589
Ion Ratio Lower Upper
106 100
91 206.4 167.9 251.9





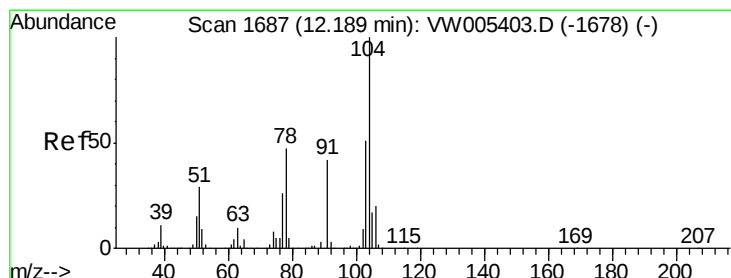
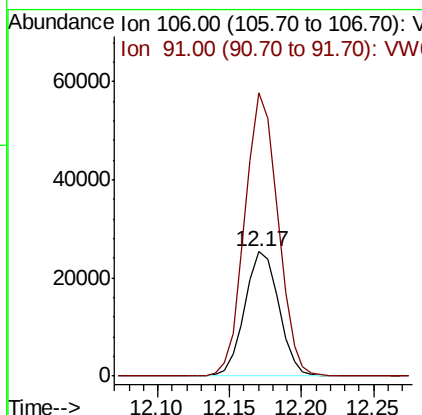
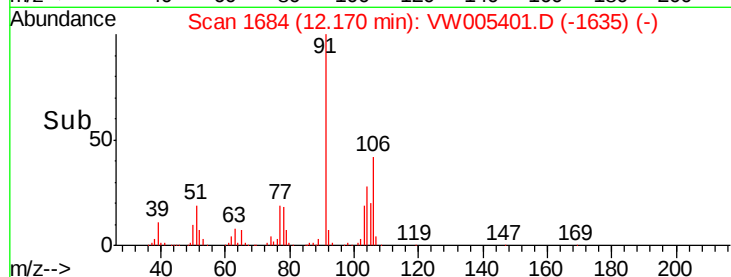
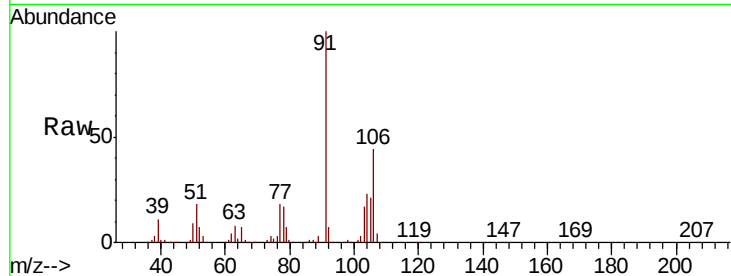
#69
o-Xylene
Concen: 9.16 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 41586
Ion Ratio Lower Upper
106 100
91 222.2 110.6 331.6

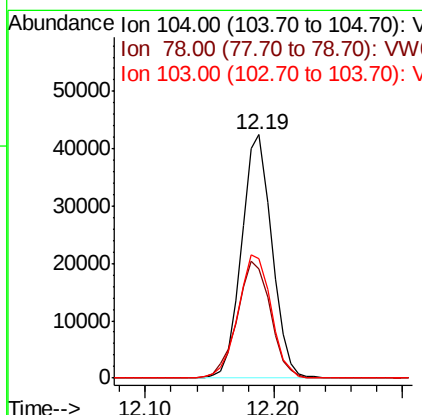
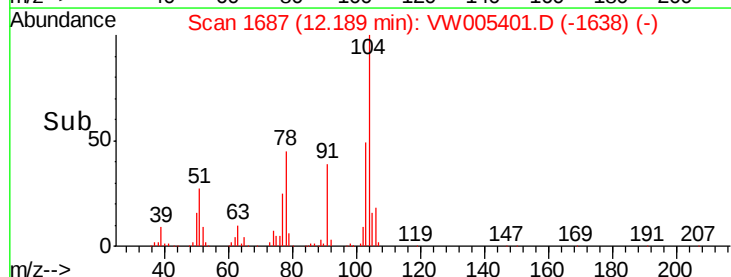
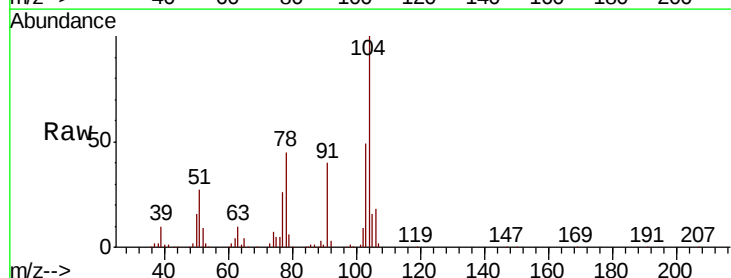
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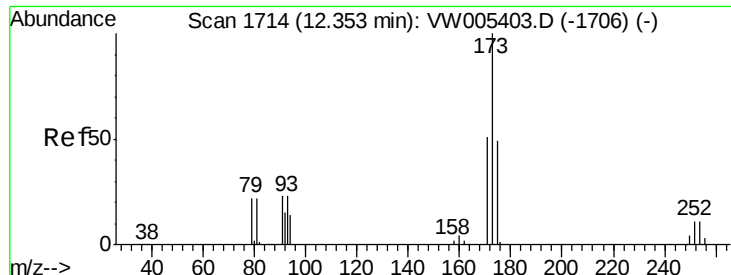
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#70
Styrene
Concen: 9.31 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion:104 Resp: 69148
Ion Ratio Lower Upper
104 100
78 53.1 42.4 63.6
103 55.5 44.8 67.2





#71

Bromoform

Concen: 10.13 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 11542

Ion Ratio Lower Upper

173 100

175 50.6 24.2 72.6

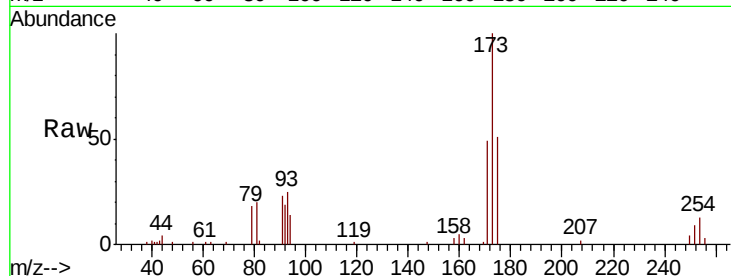
254 0.0 0.0 0.0

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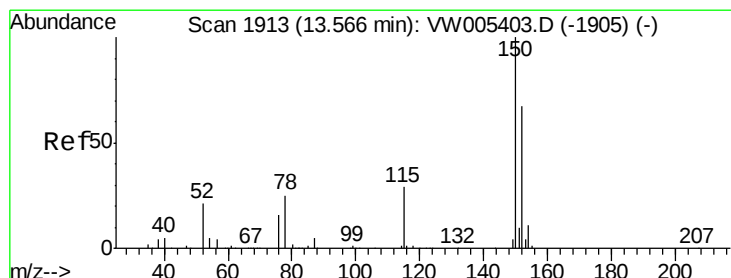
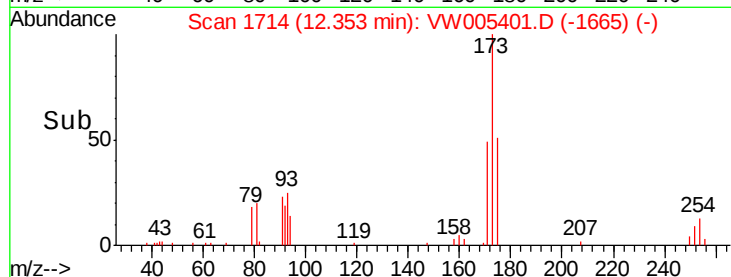
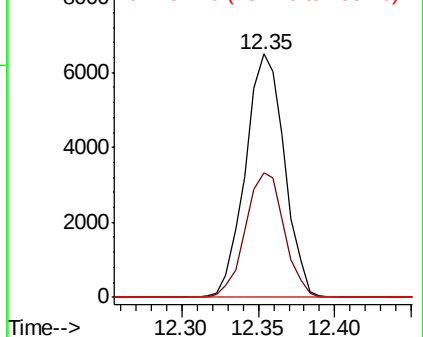
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

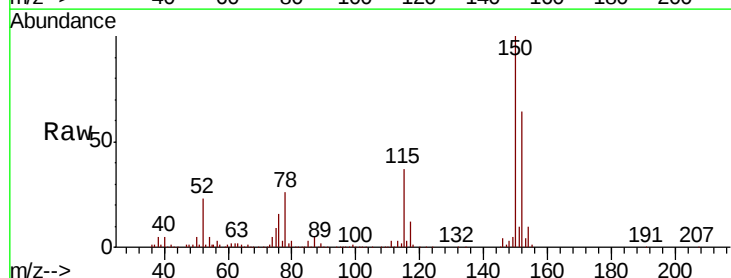
Tgt Ion:152 Resp: 173437

Ion Ratio Lower Upper

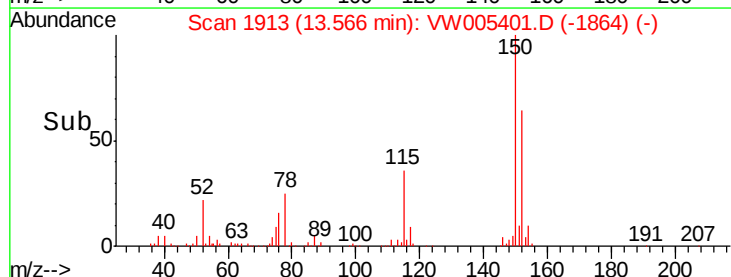
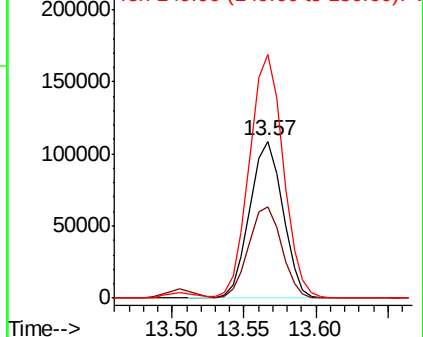
152 100

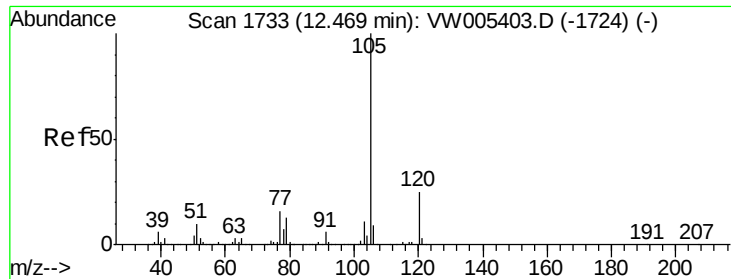
115 58.1 29.5 88.5

150 158.6 0.0 345.6



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: 9.37 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 114124

Ion Ratio Lower Upper

105 100

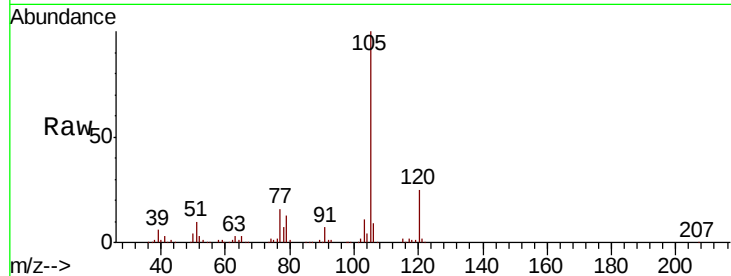
120 25.4 12.9 38.6

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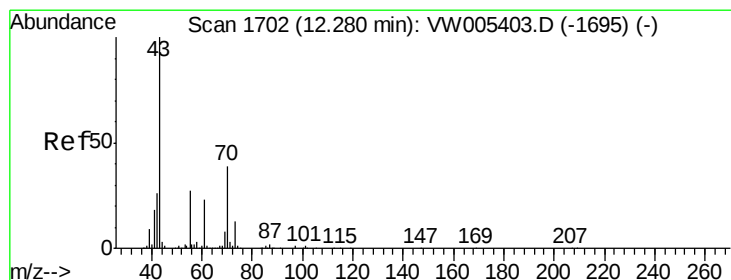
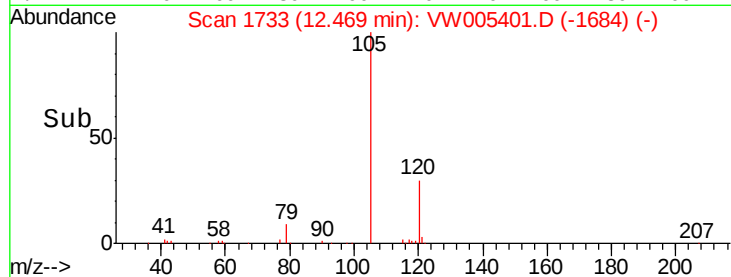
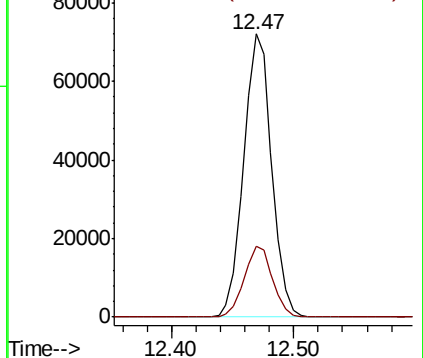
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.15 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Tgt Ion: 43 Resp: 24010

Ion Ratio Lower Upper

43 100

70 38.5 31.9 47.9

55 28.8 21.4 32.0

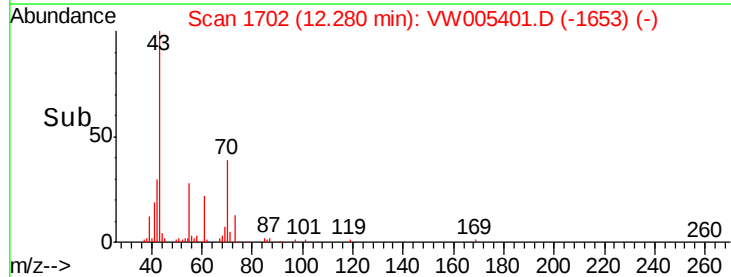
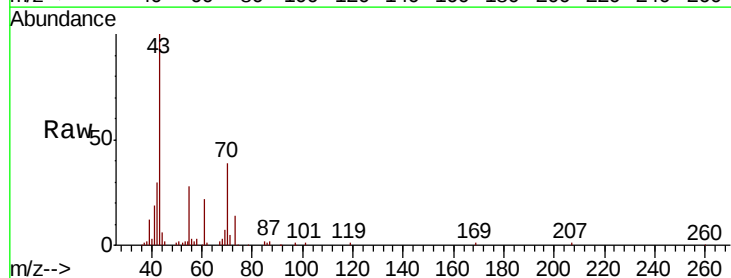
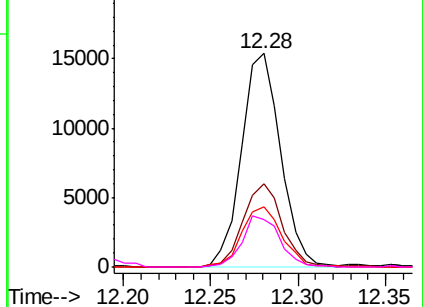
61 22.6 18.3 27.5

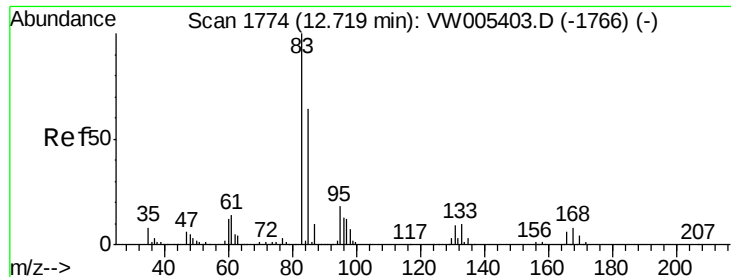
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 9.74 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Instrument :

MSVOA_W

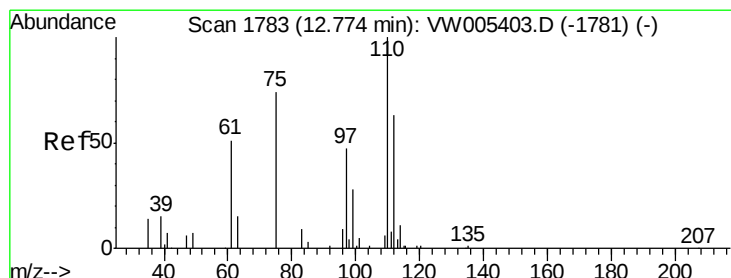
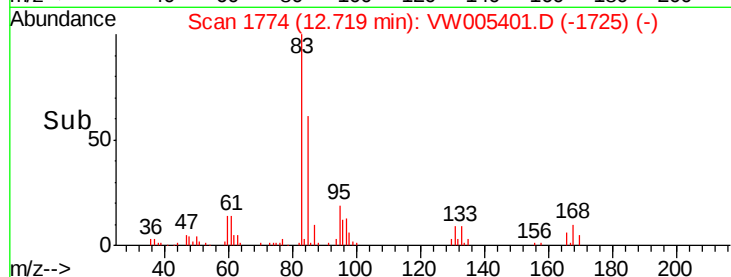
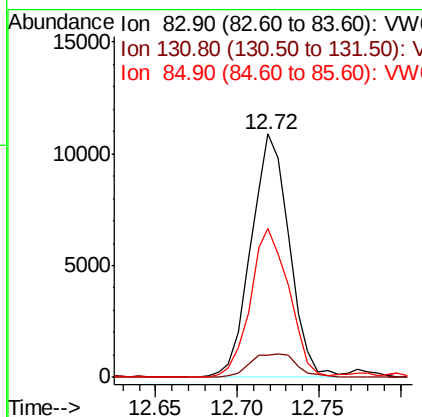
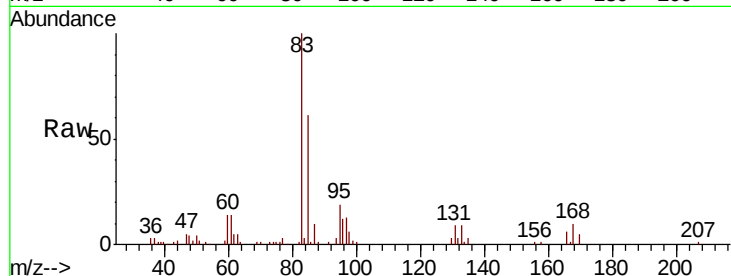
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	17747
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.7	17.1
85	61.7	31.6	95.0

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#76

1,2,3-Trichloropropane

Concen: 11.99 ug/l m

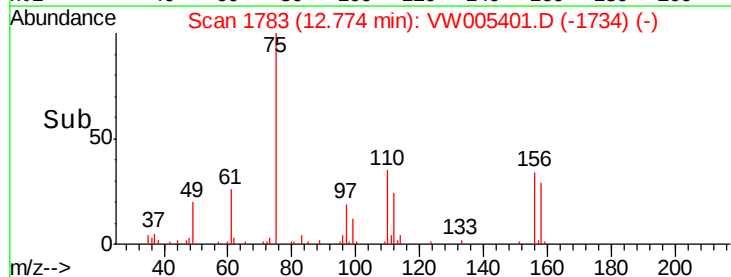
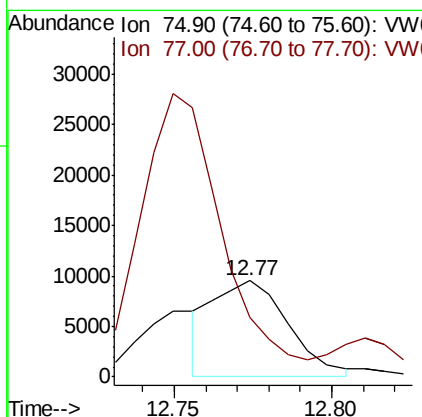
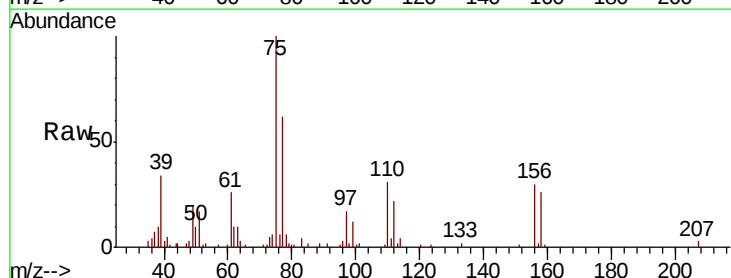
RT: 12.77 min Scan# 1783

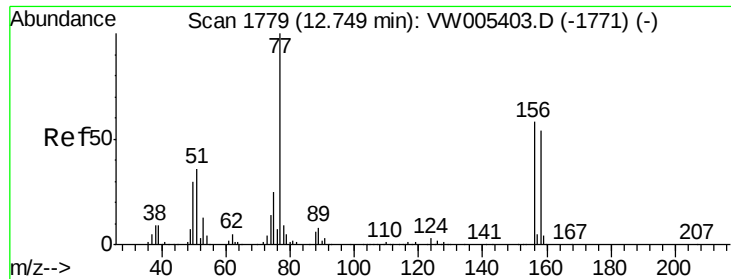
Delta R.T. 0.00 min

Lab File: VW005401.D

Acq: 14 Sep 2018 23:16

Tgt Ion:	75	Resp:	15964
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





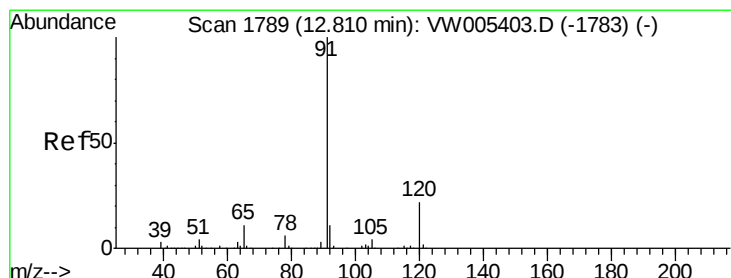
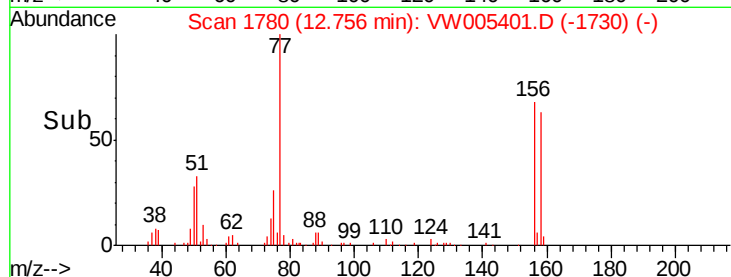
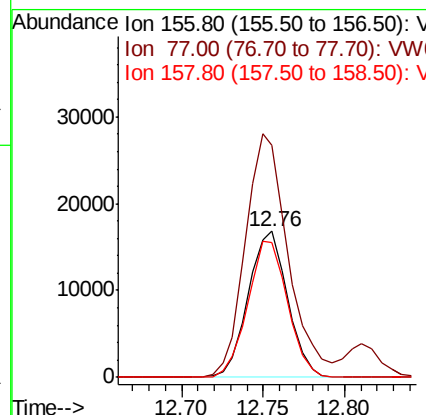
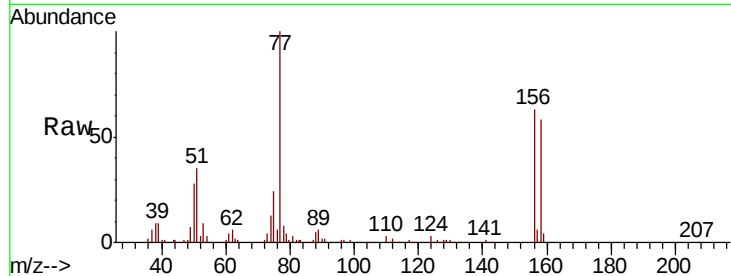
#77
Bromobenzene
Concen: 9.77 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.8	92.8	278.3
158	94.5	48.2	144.6

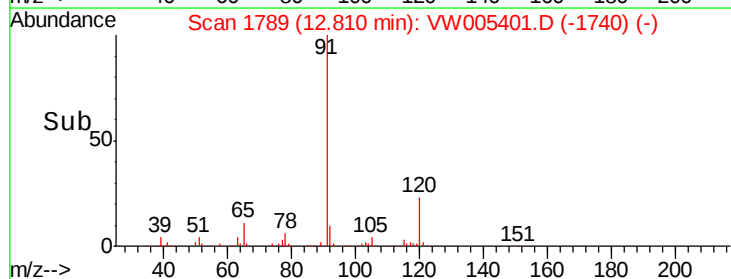
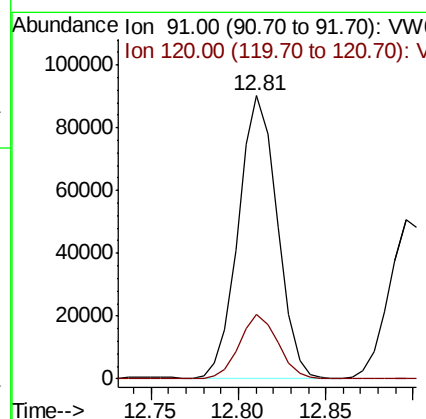
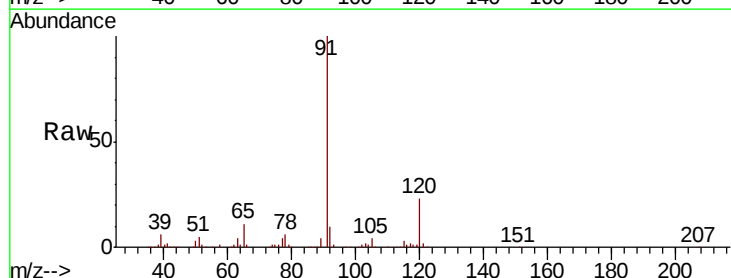
Manual Integrations
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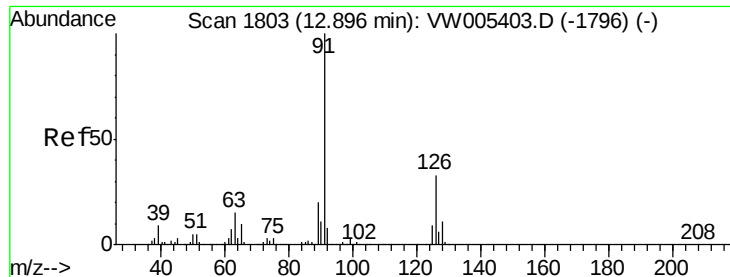
apatel
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#78
n-propylbenzene
Concen: 9.45 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8





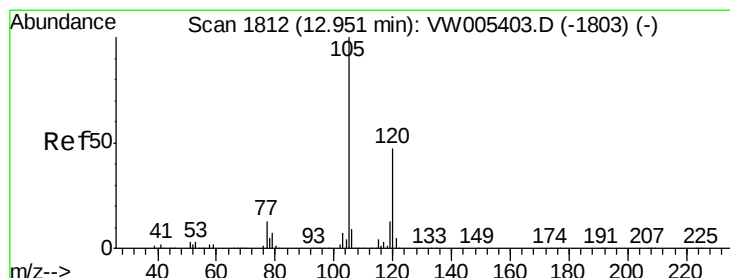
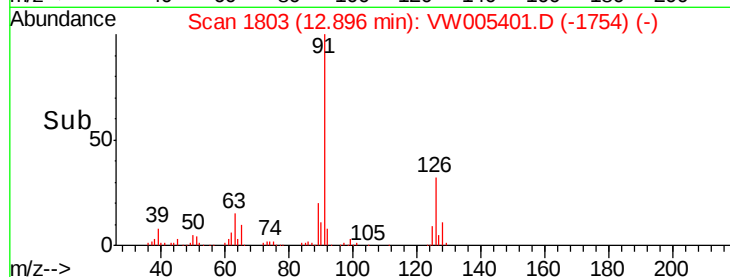
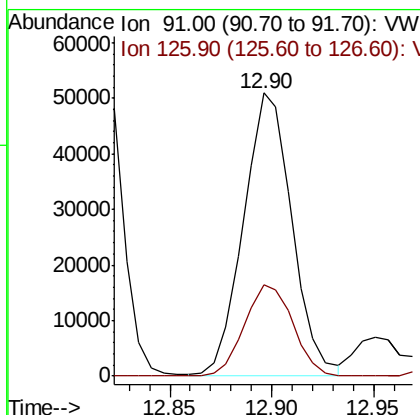
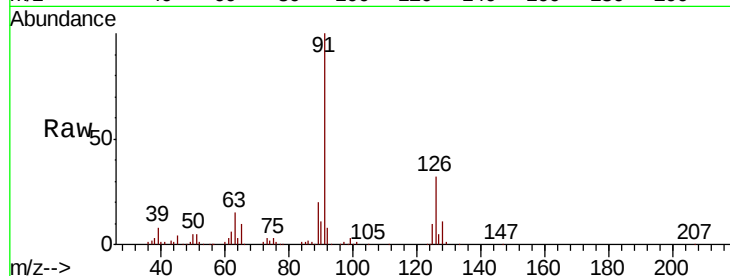
#79
 2-Chlorotoluene
 Concen: 9.90 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 83819
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.1

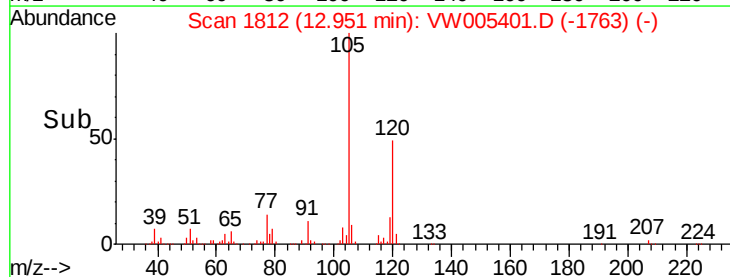
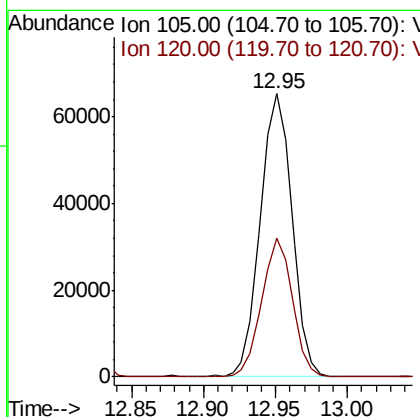
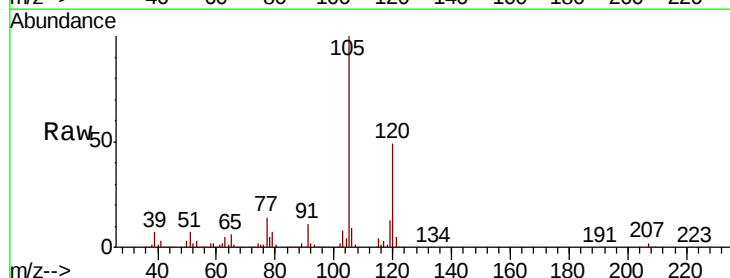
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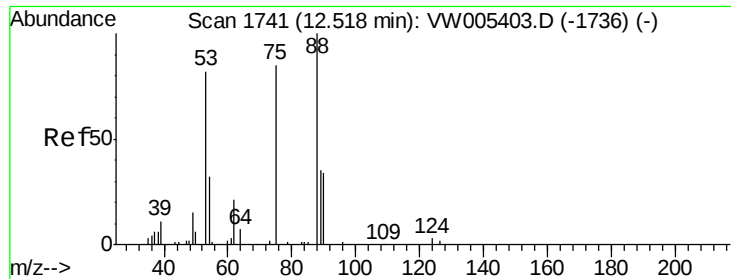
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 9.54 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion:105 Resp: 100090
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.5 70.5





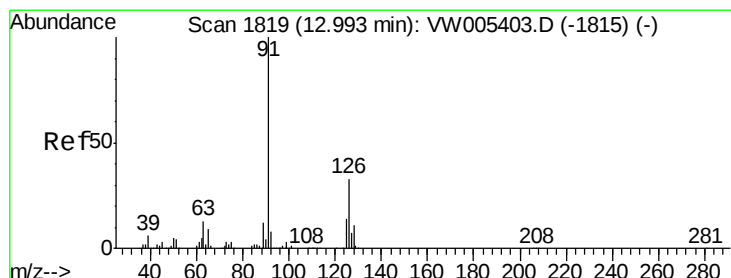
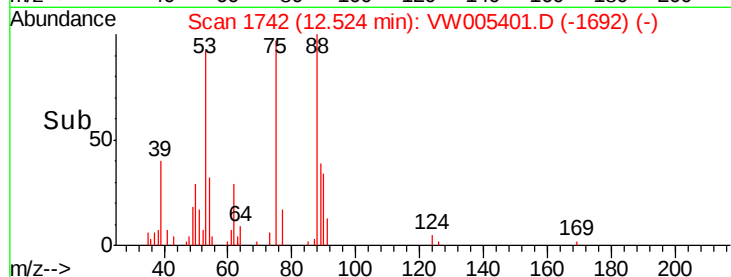
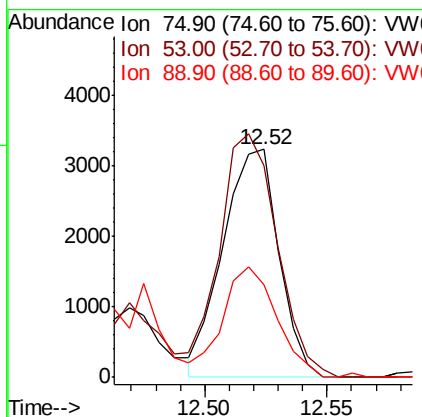
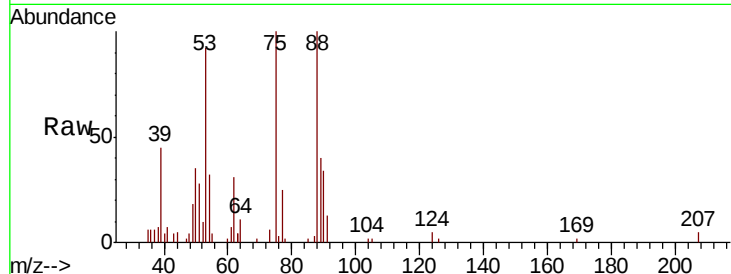
#81
trans-1,4-Dichloro-2-butene
Concen: 9.12 ug/l
RT: 12.52 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.4	83.2	124.8
89	46.7	36.6	54.8

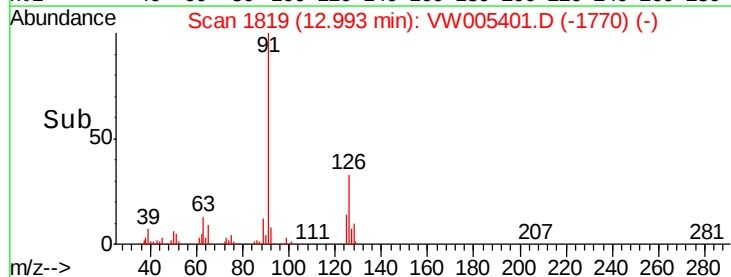
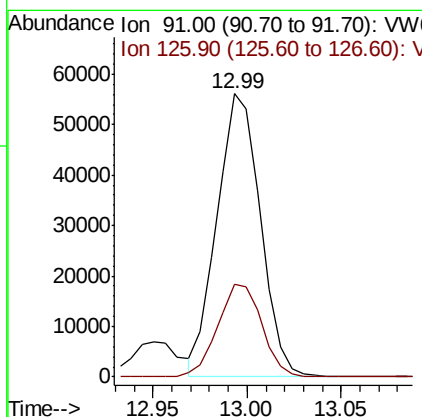
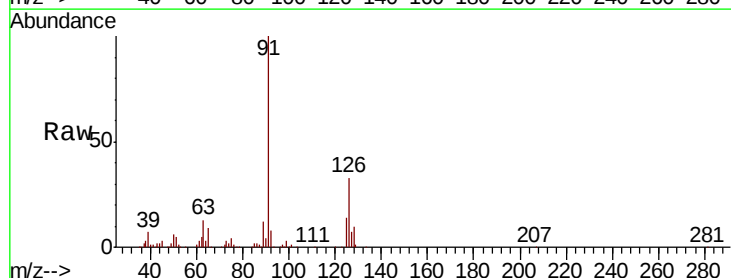
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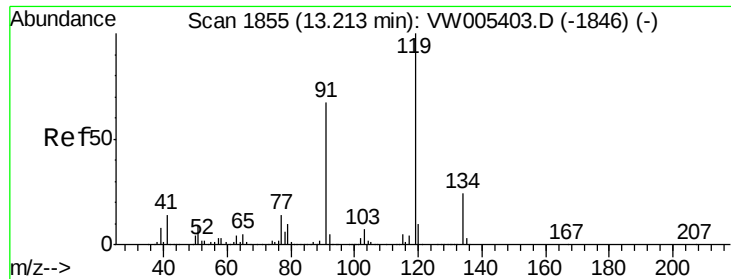
apatel
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#82
4-Chlorotoluene
Concen: 10.02 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.1





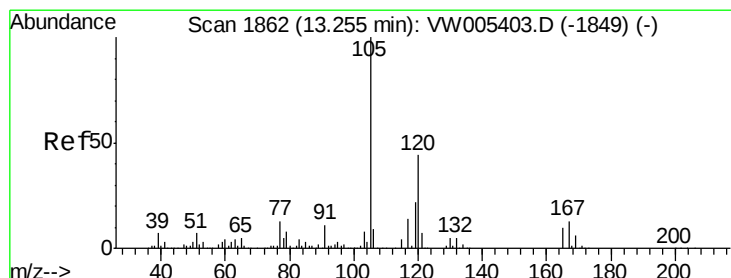
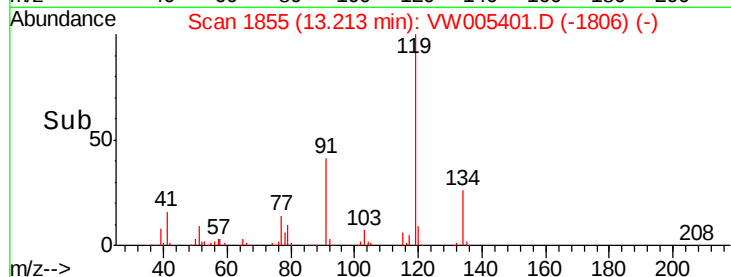
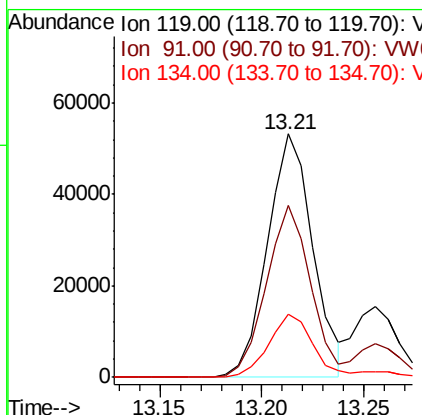
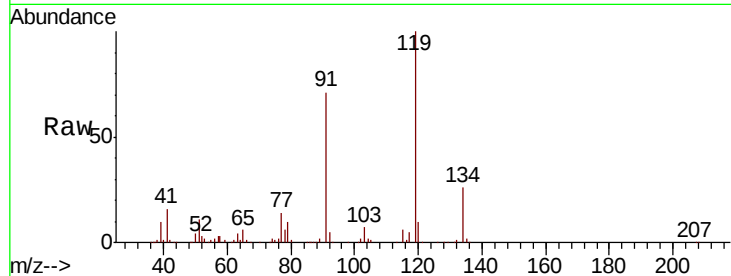
#83
tert-Butylbenzene
Concen: 9.10 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.4	103.2
134	26.9	12.7	38.0

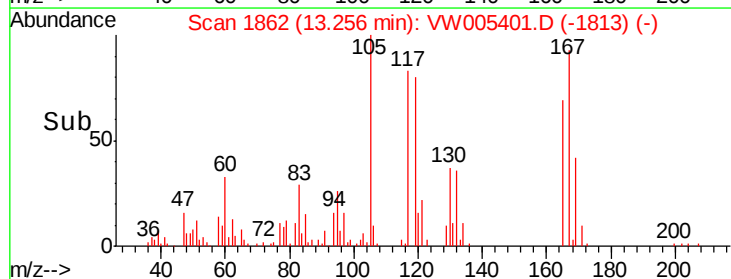
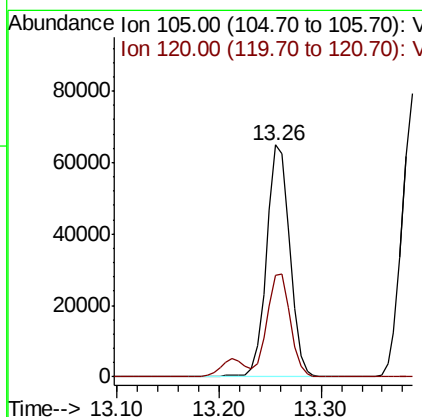
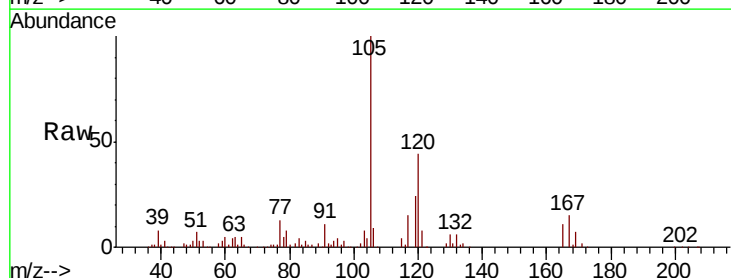
Manual Integrations
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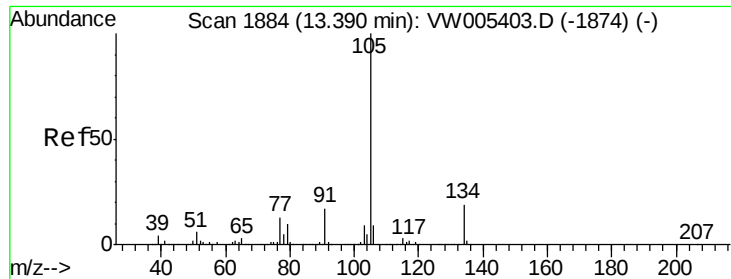
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#84
1,2,4-Trimethylbenzene
Concen: 9.66 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.3





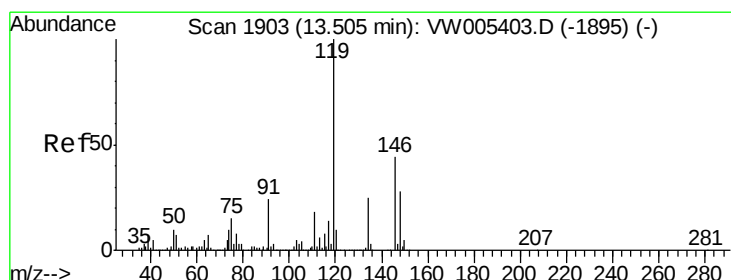
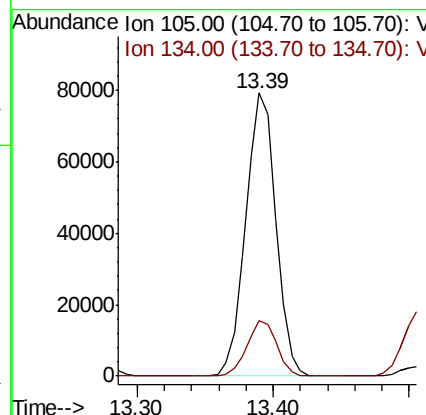
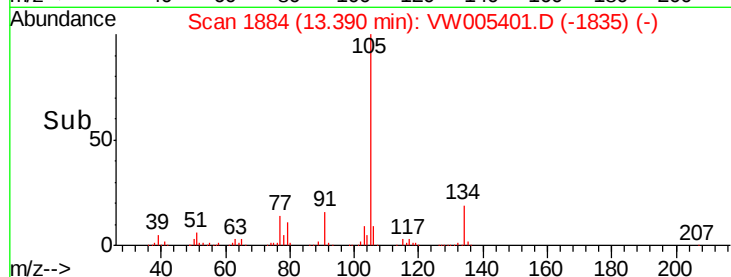
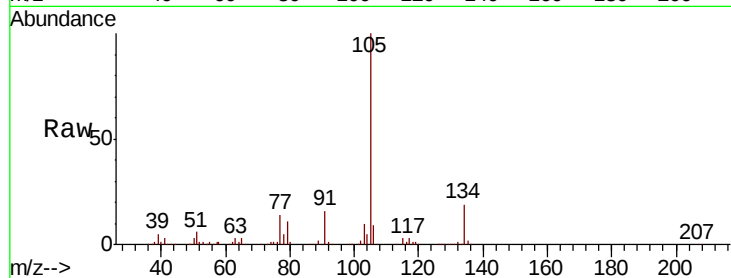
#85
 sec-Butylbenzene
 Concen: 9.41 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	122916		
134	19.4	9.8	29.5	

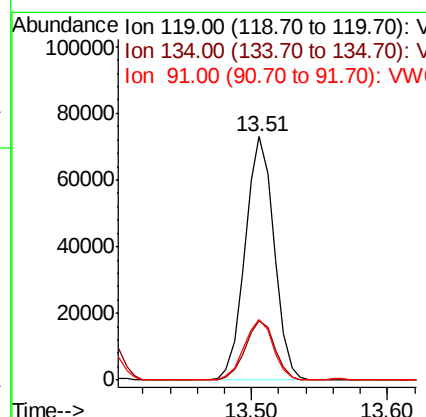
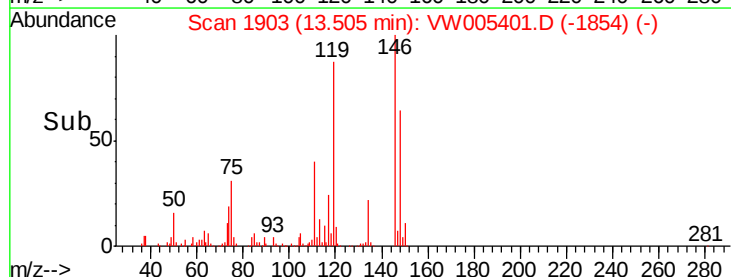
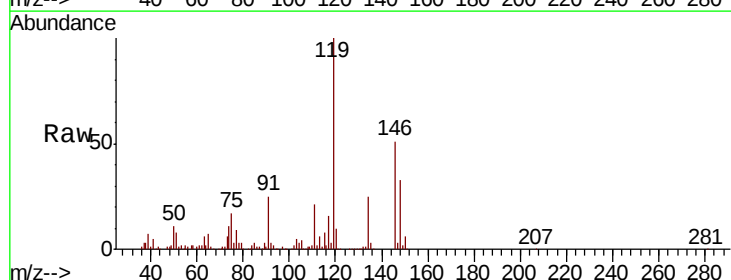
Manual Integrations
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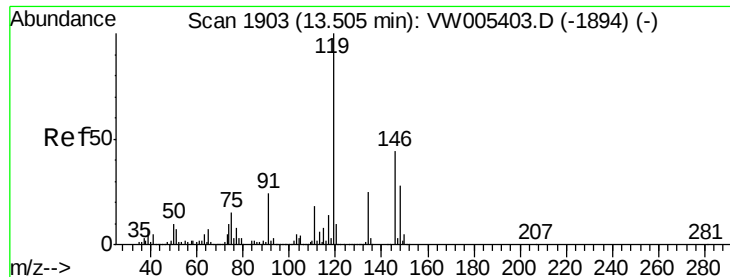
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#86
 p-Isopropyltoluene
 Concen: 9.38 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	108669		
134	24.8	12.6	37.8	
91	25.2	12.0	36.0	





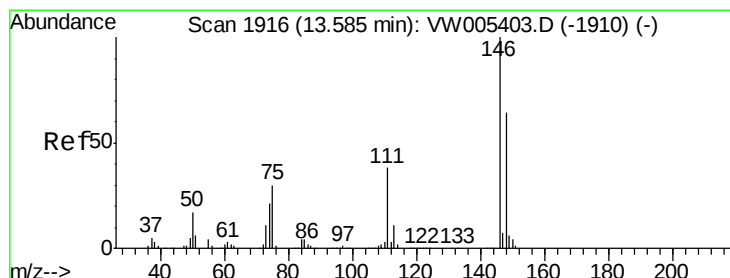
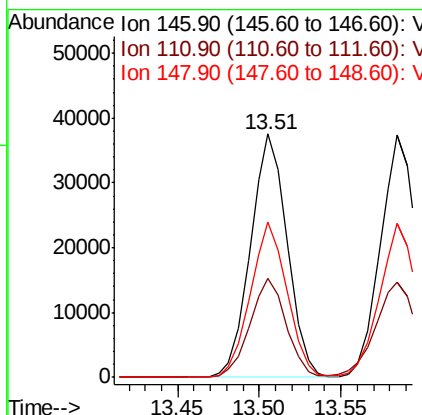
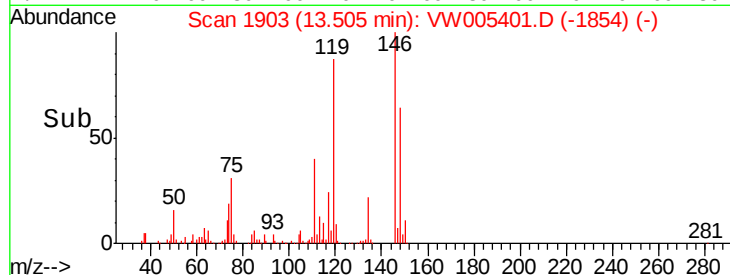
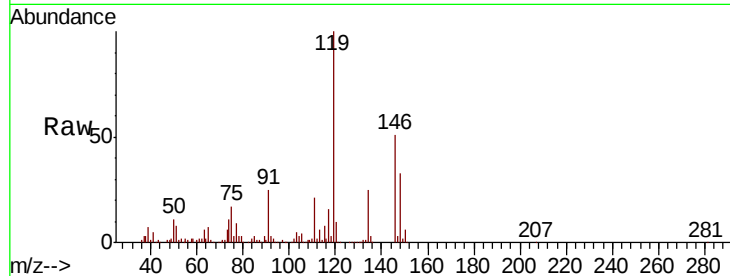
#87
 1,3-Dichlorobenzene
 Concen: 9.72 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.2
148	63.7	32.0	96.0

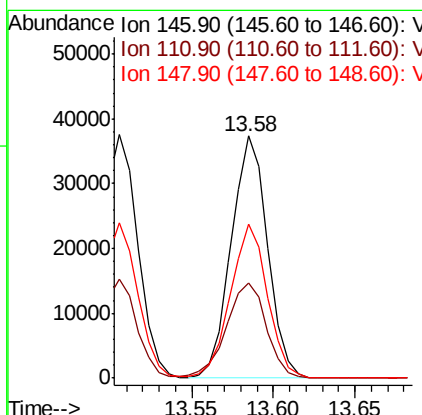
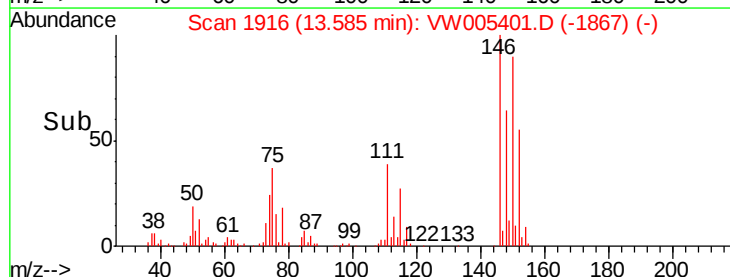
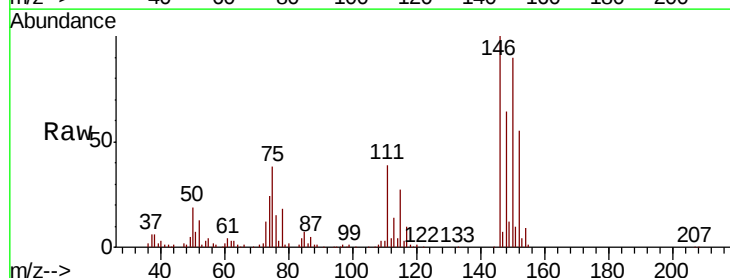
Manual Integrations
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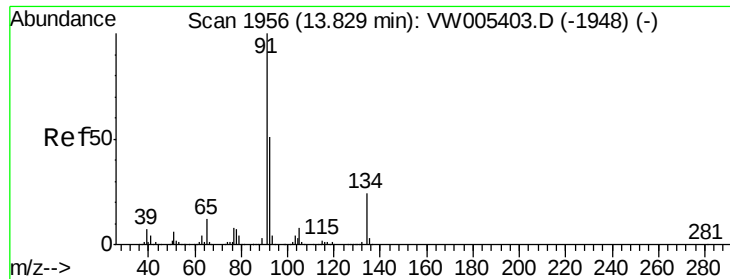
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#88
 1,4-Dichlorobenzene
 Concen: 9.74 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.6	58.8
148	64.8	31.8	95.4





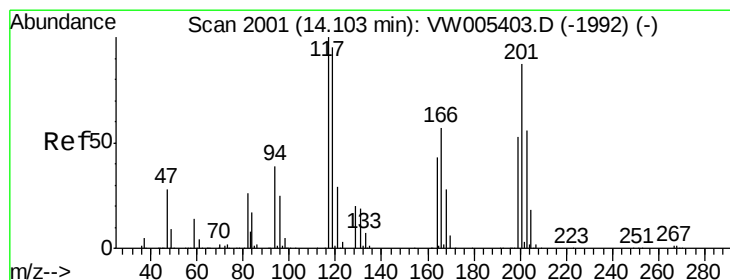
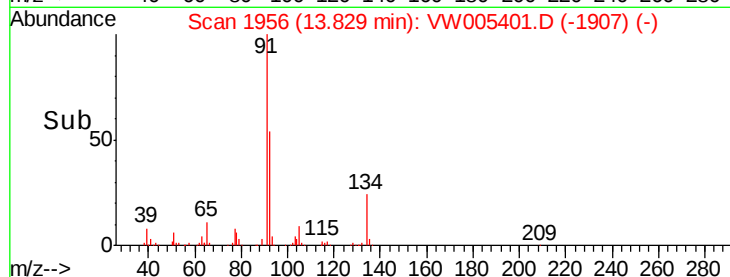
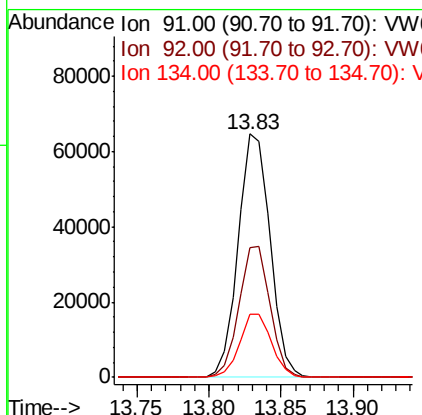
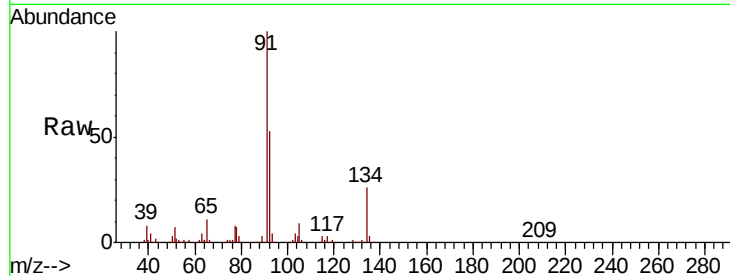
#89
n-Butylbenzene
Concen: 9.14 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.6
134	25.7	12.7	38.1

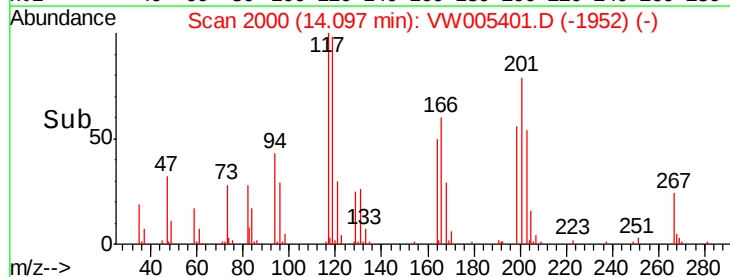
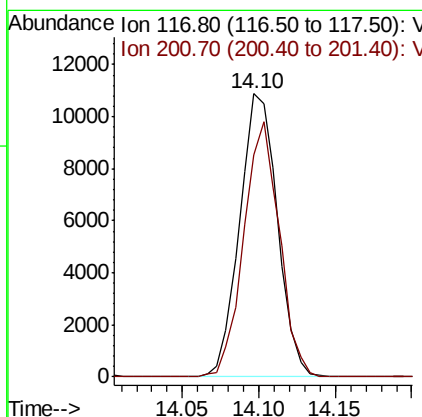
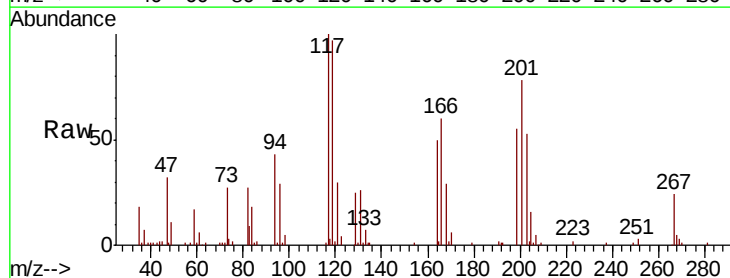
Manual Integrations
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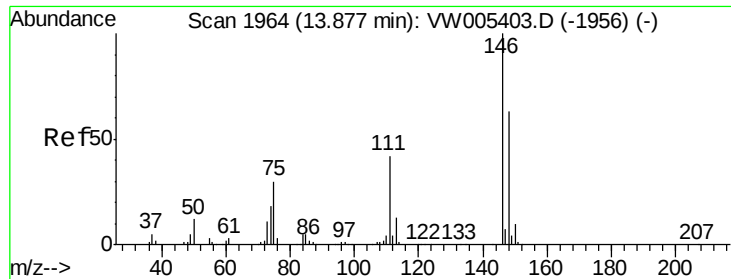
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#90
Hexachloroethane
Concen: 9.92 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	42.5	127.5





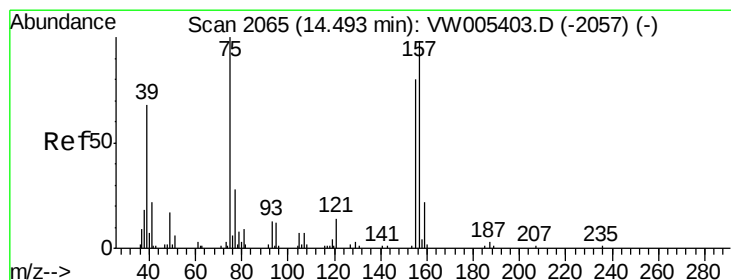
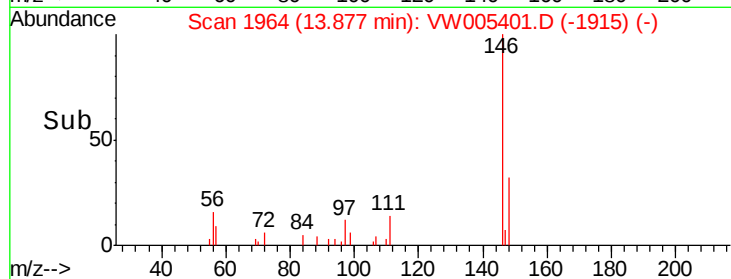
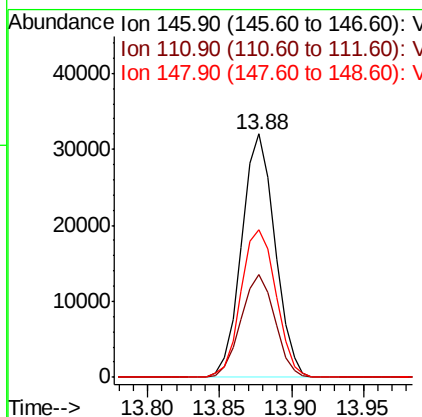
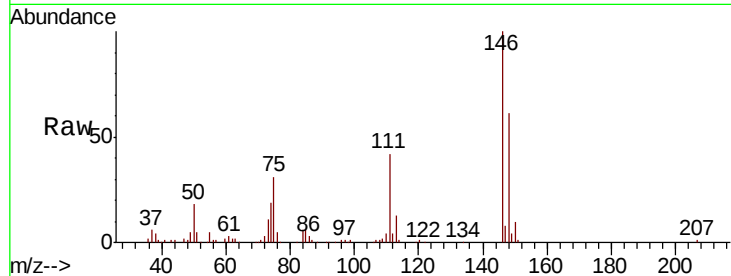
#91
 1,2-Dichlorobenzene
 Concen: 9.68 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.0	63.0
148	63.7	31.9	95.9

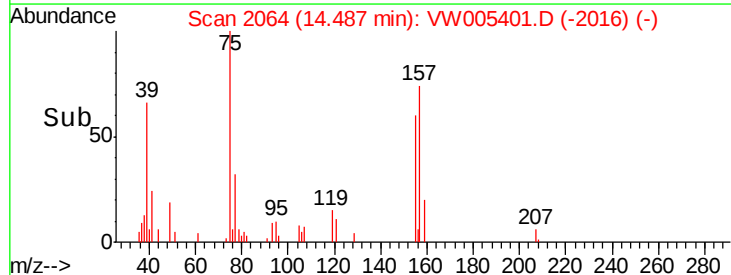
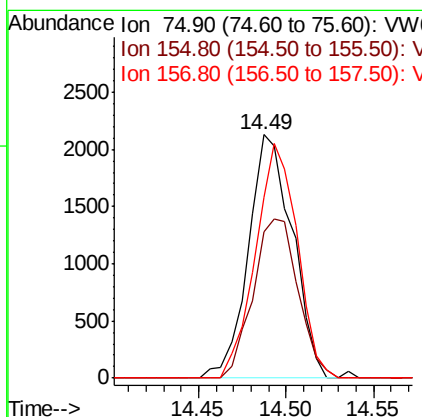
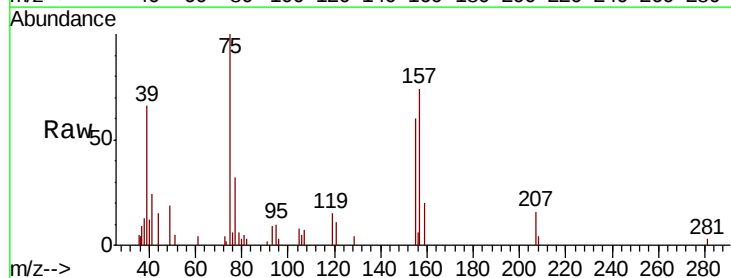
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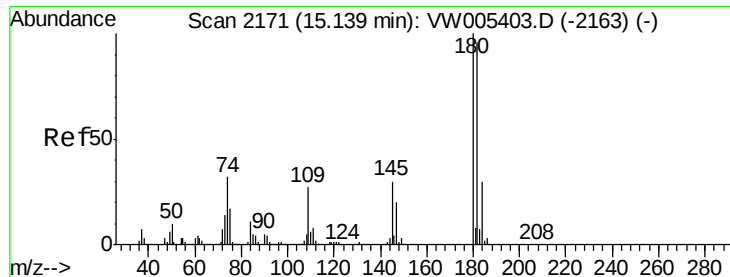
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.01 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.0	39.0	117.0
157	91.2	49.9	149.6





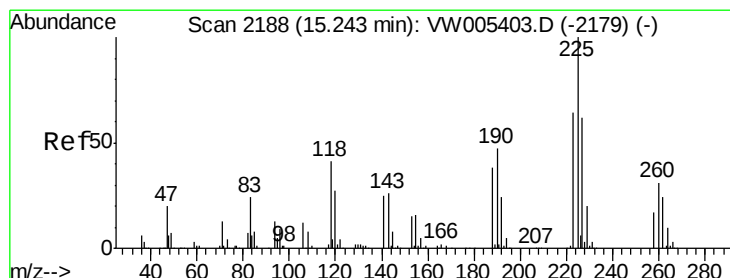
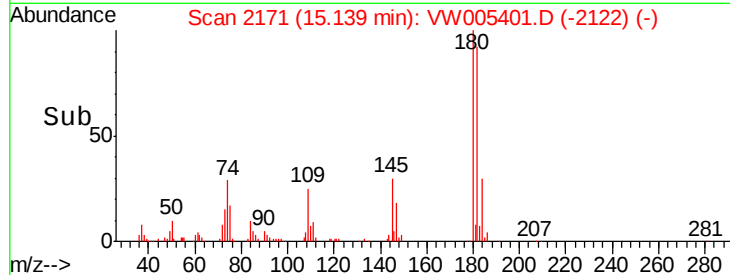
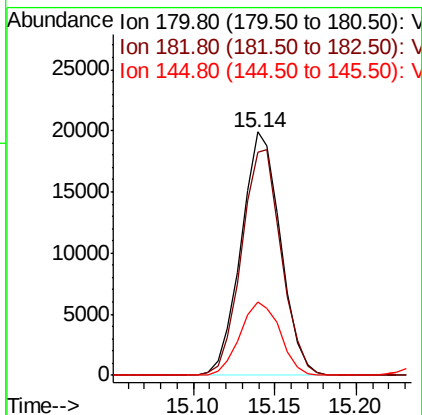
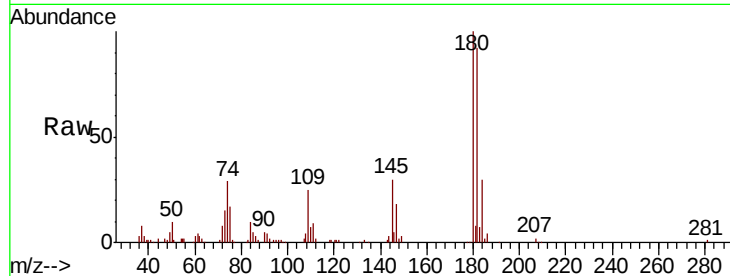
#93
 1,2,4-Trichlorobenzene
 Concen: 8.93 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.3	47.3	141.9	
145	30.6	14.8	44.3	

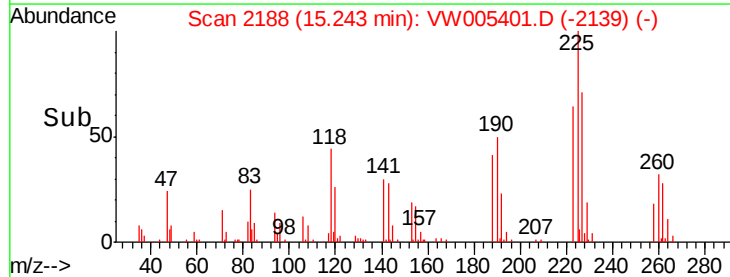
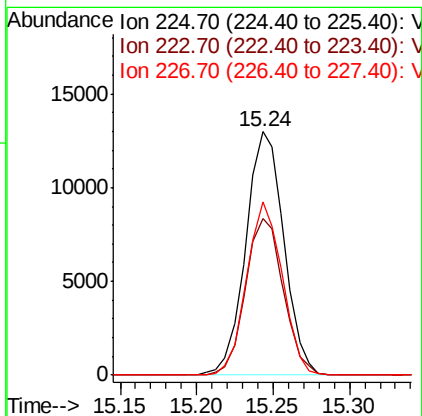
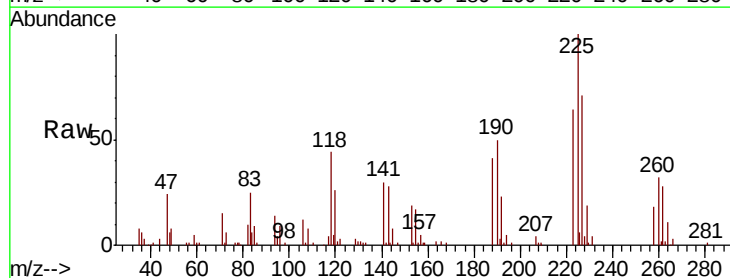
Manual Integrations
 APPROVED

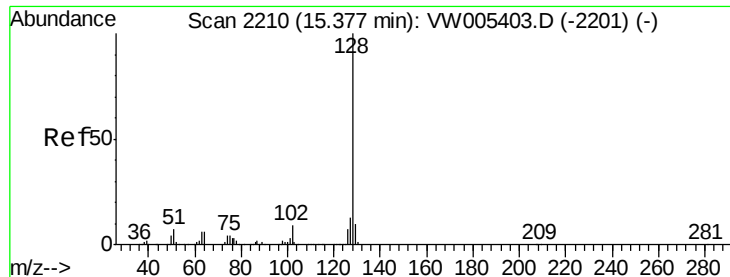
apatel
 9/17/2018 2:23:48 PM



#94
 Hexachlorobutadiene
 Concen: 9.38 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005401.D
 Acq: 14 Sep 2018 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.2	93.6	
227	66.7	31.6	95.0	





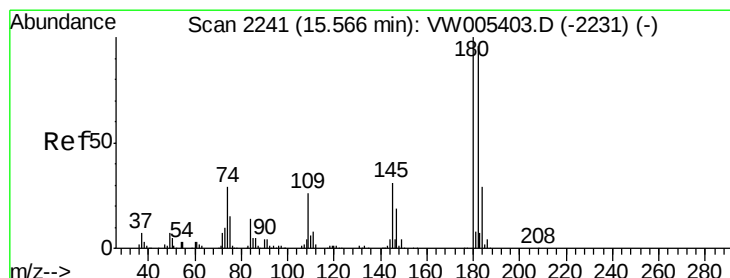
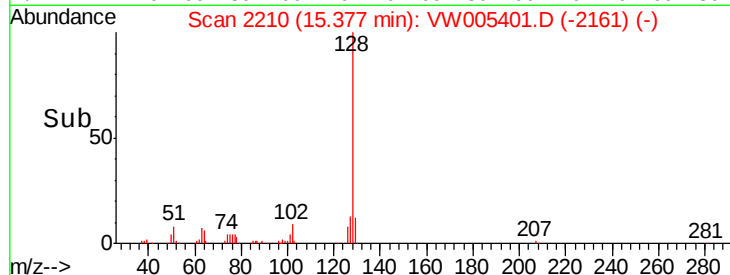
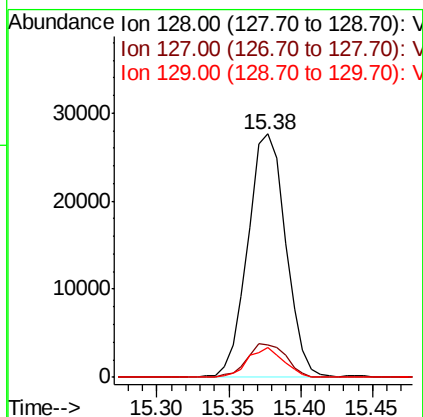
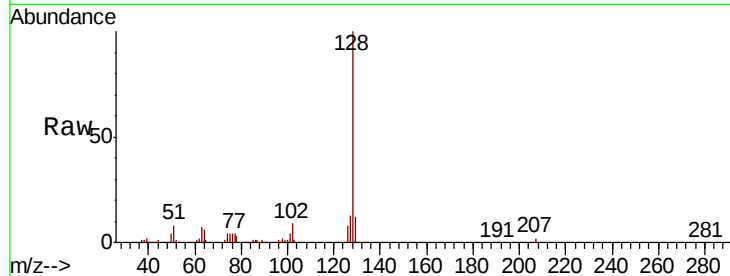
#95
Naphthalene
Concen: 8.35 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:128	Resp:	50519
Ion Ratio	Lower	Upper
128 100		
127 14.2	11.0	16.4
129 11.3	8.7	13.1

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 8.85 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005401.D
Acq: 14 Sep 2018 23:16

Tgt Ion:180	Resp:	28397
Ion Ratio	Lower	Upper
180 100		
182 97.8	48.1	144.4
145 33.3	15.9	47.7

