

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005541.D
 Acq On : 20 Sep 2018 20:36
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 9/21/2018 4:21:43 PM

Quant Time: Sep 21 05:04:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:37:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	344497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13227	5.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.26%	
35) Dibromofluoromethane	7.89	113	10698	5.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.74%	
50) Toluene-d8	10.33	98	41646	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
62) 4-Bromofluorobenzene	12.62	95	15152	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	9435	4.680	ug/l 97
3) Chloromethane	2.21	50	10098	4.117	ug/l 97
4) Vinyl Chloride	2.37	62	11292	4.749	ug/l 99
5) Bromomethane	2.79	94	8381	4.800	ug/l 95
6) Chloroethane	2.93	64	7827	5.524	ug/l 92
7) Trichlorofluoromethane	3.26	101	8449	2.836	ug/l 97
8) Diethyl Ether	3.68	74	6405	6.551	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11818	6.172	ug/l 97
10) Methyl Iodide	4.26	142	17524	8.284	ug/l 99
11) Tert butyl alcohol	5.17	59	4606	28.542	ug/l # 89
12) 1,1-Dichloroethene	4.04	96	11395	6.508	ug/l 97
13) Acrolein	3.89	56	3366	31.753	ug/l 94
14) Allyl chloride	4.67	41	18271	5.659	ug/l 99
15) Acrylonitrile	5.38	53	12856	28.998	ug/l 99
16) Acetone	4.12	43	14211	37.191	ug/l 96
17) Carbon Disulfide	4.37	76	35736	5.919	ug/l 97
18) Methyl Acetate	4.68	43	7352	6.607	ug/l 98
19) Methyl tert-butyl Ether	5.43	73	15741	3.604	ug/l 99
20) Methylene Chloride	4.92	84	18915	6.930	ug/l 91
21) trans-1,2-Dichloroethene	5.42	96	11825	5.699	ug/l 98
22) Diisopropyl ether	6.32	45	33106	5.245	ug/l 94
23) Vinyl Acetate	6.26	43	90778	25.174	ug/l 98
24) 1,1-Dichloroethane	6.22	63	23047	5.972	ug/l 98
25) 2-Butanone	7.18	43	17174	30.832	ug/l 100
26) 2,2-Dichloropropane	7.17	77	17722	5.360	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	12971	5.745	ug/l 97
28) Bromochloromethane	7.52	49	9277	6.175	ug/l # 99
29) Tetrahydrofuran	7.54	42	9820	27.582	ug/l 97
30) Chloroform	7.68	83	23250	5.804	ug/l 99
31) Cyclohexane	7.96	56	24514	6.652	ug/l # 89
32) 1,1,1-Trichloroethane	7.88	97	21106	5.768	ug/l 98
36) 1,1-Dichloropropene	8.09	75	18262	5.510	ug/l 99
37) Ethyl Acetate	7.26	43	8141	5.994	ug/l # 81
38) Carbon Tetrachloride	8.07	117	20077	5.776	ug/l 97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21113	5.495	ug/l	98
40) Benzene	8.33	78	52793	5.530	ug/l	97
41) Methacrylonitrile	7.49	41	3615	4.443	ug/l #	90
42) 1,2-Dichloroethane	8.41	62	16874	5.594	ug/l	100
43) Isopropyl Acetate	8.43	43	14679	5.571	ug/l	98
44) Trichloroethene	9.10	130	13331	5.424	ug/l	100
45) 1,2-Dichloropropane	9.37	63	12989	5.651	ug/l	97
46) Dibromomethane	9.46	93	6437	5.667	ug/l	95
47) Bromodichloromethane	9.65	83	16697	5.442	ug/l	96
48) Methyl methacrylate	9.44	41	6607	5.069	ug/l	98
49) 1,4-Dioxane	9.45	88	1994	107.987	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	35628	26.437	ug/l	98
52) Toluene	10.39	92	31040	4.873	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	15977	5.200	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	17622	5.068	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	8920	5.318	ug/l #	92
56) Ethyl methacrylate	10.65	69	9383	4.468	ug/l	100
57) 1,3-Dichloropropane	10.94	76	16035	5.549	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	21619	22.638	ug/l	98
59) 2-Hexanone	10.98	43	23470	25.663	ug/l	95
60) Dibromochloromethane	11.13	129	10465	5.193	ug/l	97
61) 1,2-Dibromoethane	11.24	107	8516	5.641	ug/l	97
64) Tetrachloroethene	10.87	164	12154	5.133	ug/l	96
65) Chlorobenzene	11.66	112	35274	5.132	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	12334	5.491	ug/l	97
67) Ethyl Benzene	11.74	91	59297	4.905	ug/l	97
68) m/p-Xylenes	11.85	106	43195	9.304	ug/l	99
69) o-Xylene	12.17	106	20097	4.650	ug/l	97
70) Styrene	12.18	104	33360	4.659	ug/l	98
71) Bromoform	12.35	173	6474	5.456	ug/l #	98
73) Isopropylbenzene	12.47	105	56456	4.644	ug/l	99
74) N-amyl acetate	12.28	43	12848	4.985	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10534	5.820	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	7359m	5.117	ug/l	
77) Bromobenzene	12.76	156	14927	5.210	ug/l	93
78) n-propylbenzene	12.81	91	68585	4.677	ug/l	99
79) 2-Chlorotoluene	12.90	91	40588	4.708	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	48178	4.556	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3194	5.663	ug/l	99
82) 4-Chlorotoluene	12.99	91	43382	4.764	ug/l	99
83) tert-Butylbenzene	13.21	119	40781	4.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	48473	4.511	ug/l	96
85) sec-Butylbenzene	13.39	105	60200	4.736	ug/l	100
86) p-Isopropyltoluene	13.51	119	52347	4.603	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	30061	5.167	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	30918	5.404	ug/l	93
89) n-Butylbenzene	13.83	91	51433	4.862	ug/l	98
90) Hexachloroethane	14.10	117	10688	5.441	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	26886	5.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2132	6.211	ug/l	92

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MSVOA_W
ClientSampleId :
VSTDICC005

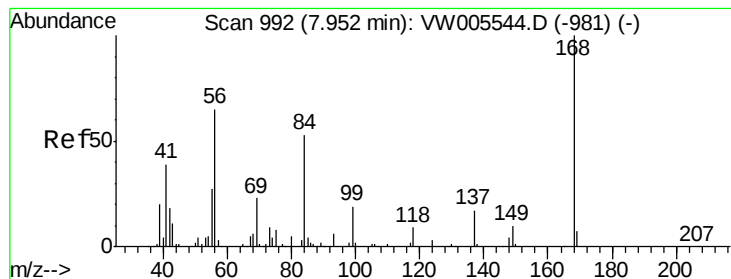
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18232	5.342	ug/l	98
94) Hexachlorobutadiene	15.25	225	12225	5.513	ug/l	98
95) Naphthalene	15.38	128	27270	4.770	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	15830	5.294	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 218945

Ion Ratio Lower Upper

168 100

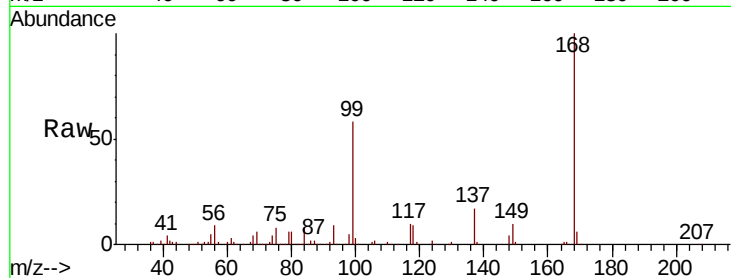
99 57.6 48.4 72.6

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

120000

100000

80000

60000

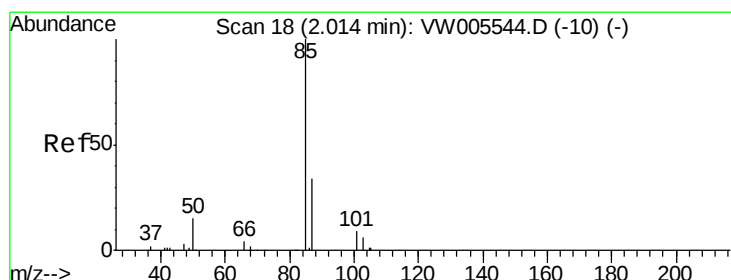
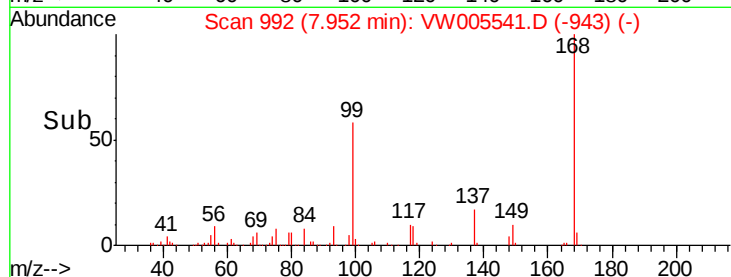
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 4.680 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005541.D

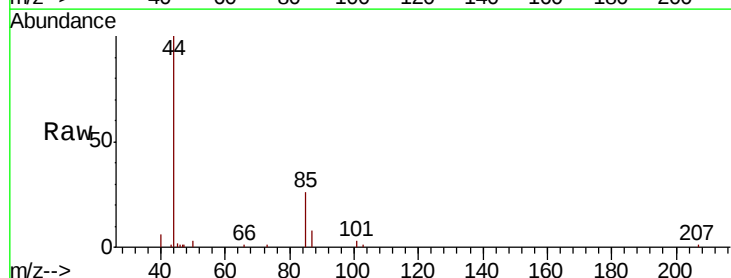
Acq: 20 Sep 2018 20:36

Tgt Ion: 85 Resp: 9435

Ion Ratio Lower Upper

85 100

87 32.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

3000

2500

2000

1500

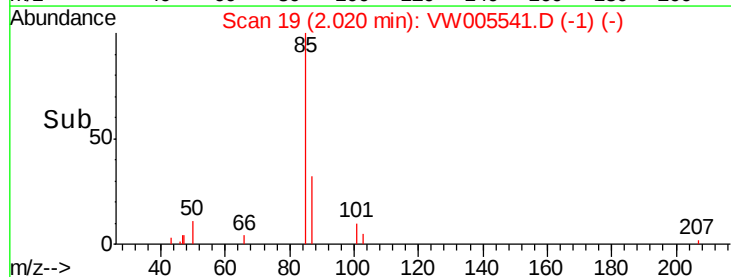
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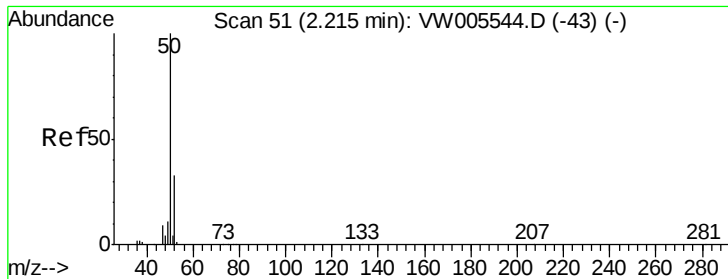
500

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 4.117 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10098

Ion Ratio Lower Upper

50 100

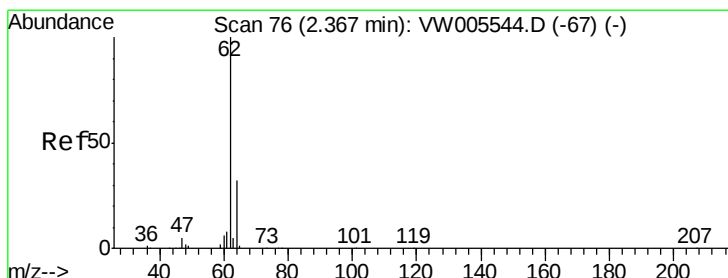
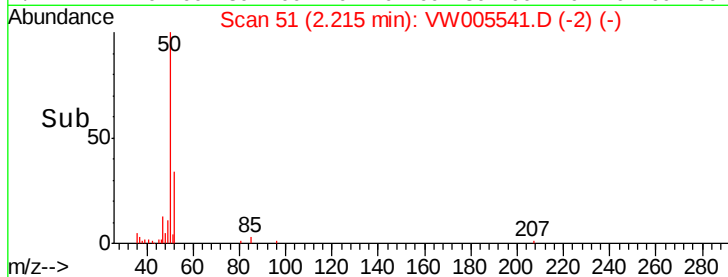
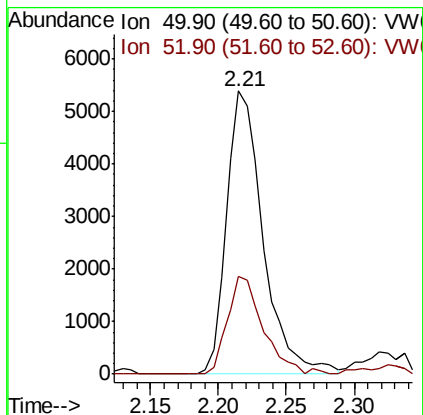
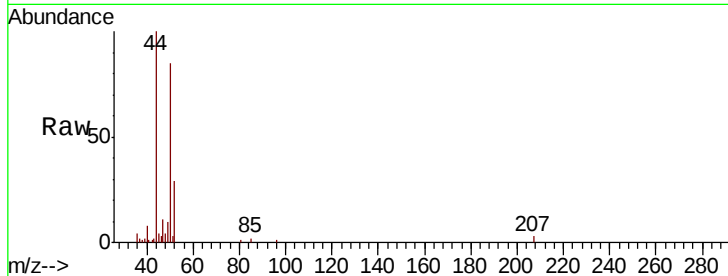
52 34.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.749 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005541.D

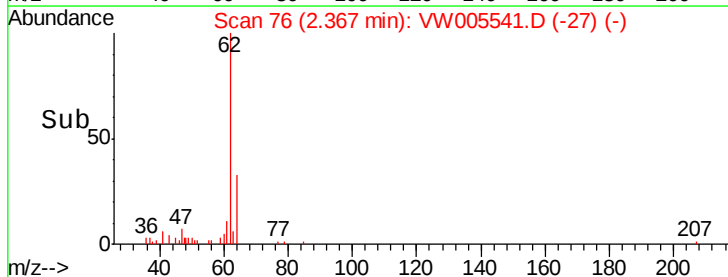
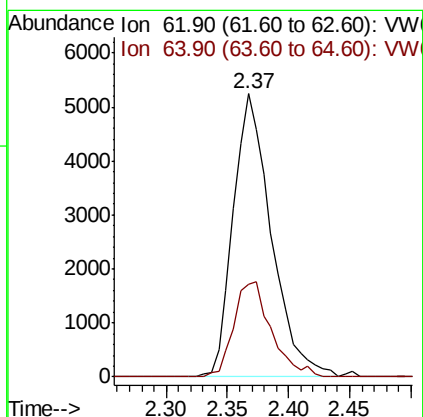
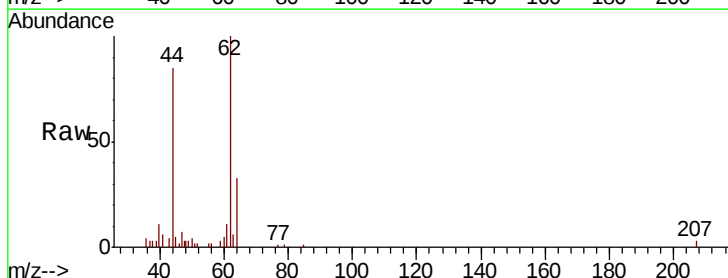
Acq: 20 Sep 2018 20:36

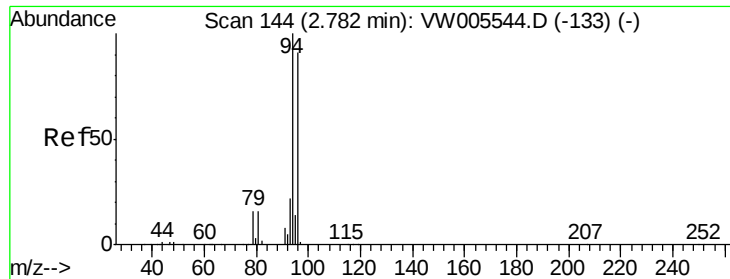
Tgt Ion: 62 Resp: 11292

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 4.800 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 8381

Ion Ratio Lower Upper

94 100

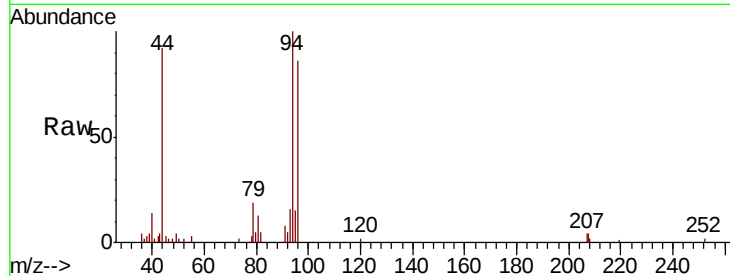
96 86.5 73.1 109.7

Manual Integrations

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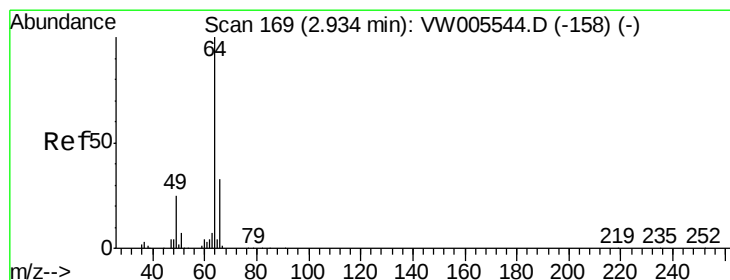
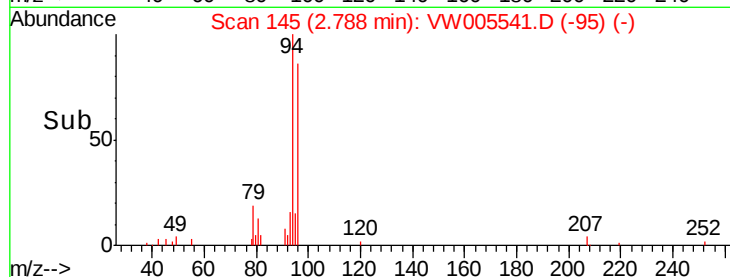
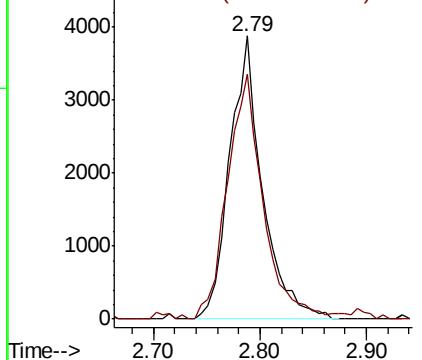
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 5.524 ug/l

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW005541.D

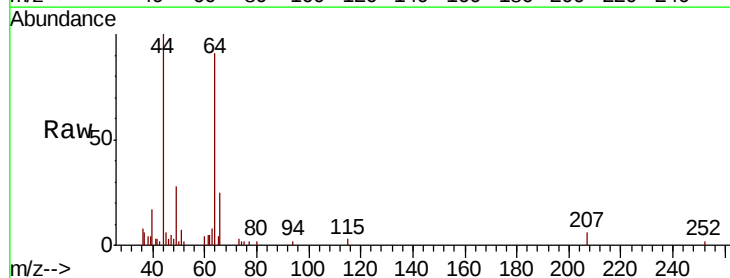
Acq: 20 Sep 2018 20:36

Tgt Ion: 64 Resp: 7827

Ion Ratio Lower Upper

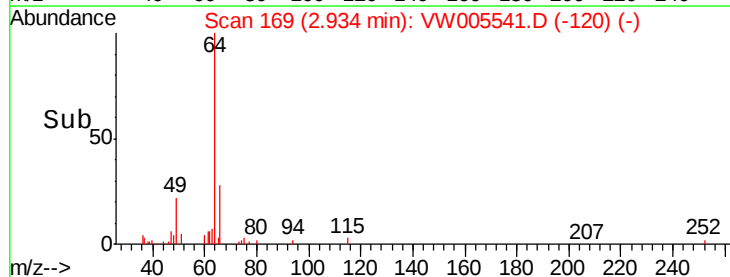
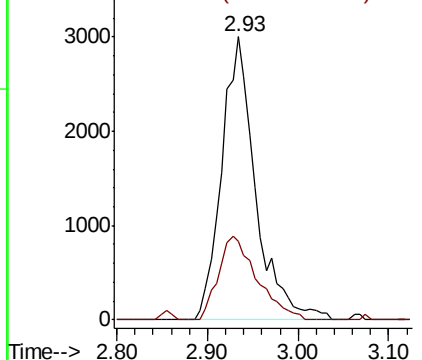
64 100

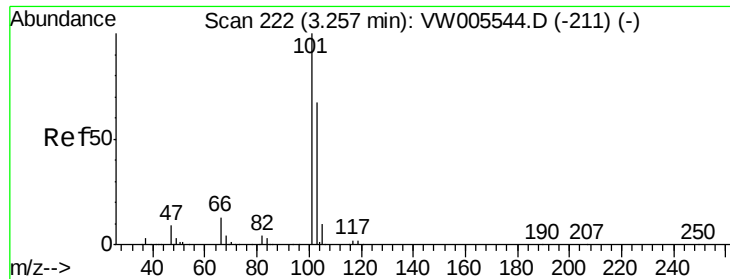
66 27.9 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

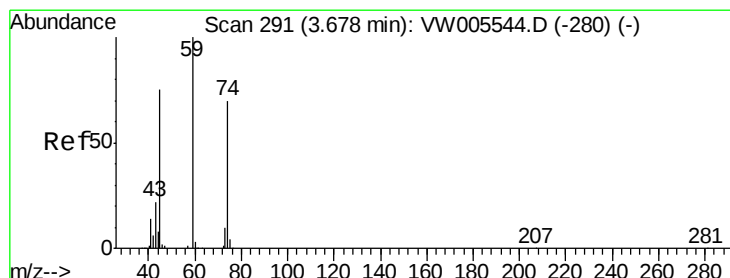
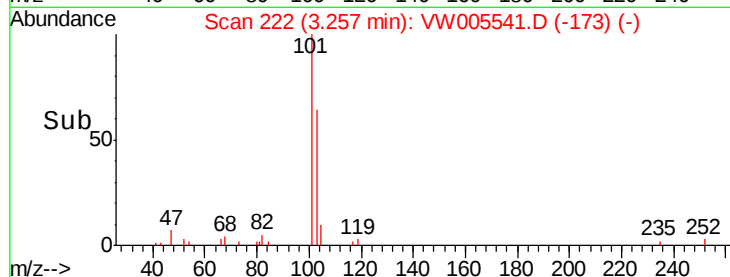
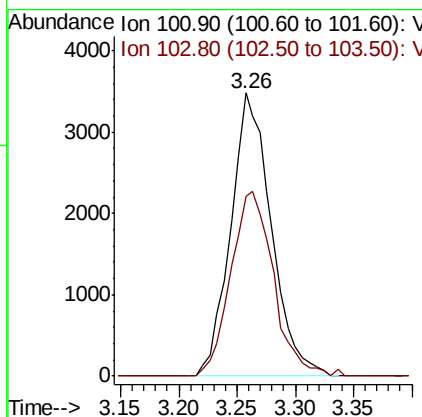
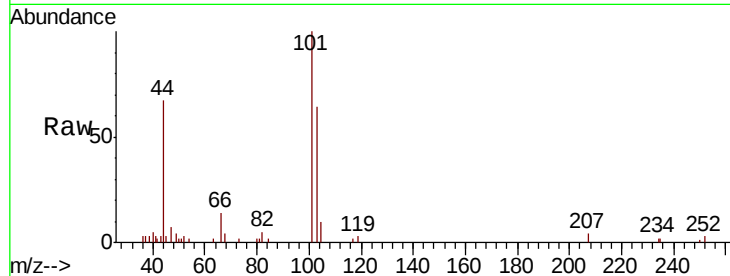
Trichlorofluoromethane
 Concen: 2.836 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

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 MSVOA_W
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 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.2	79.8

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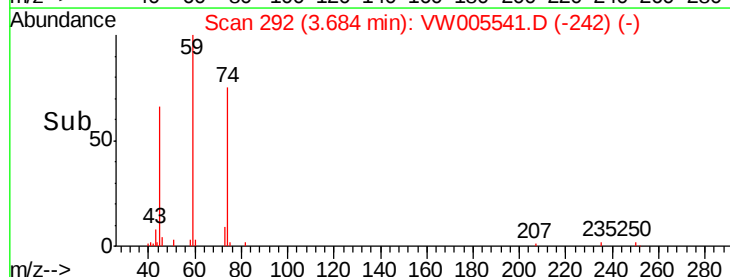
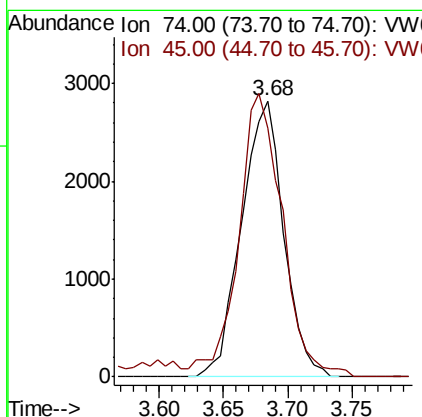
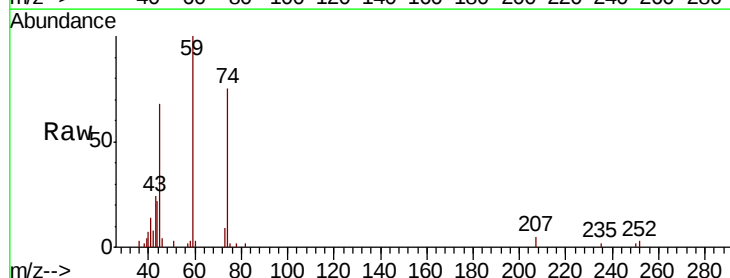
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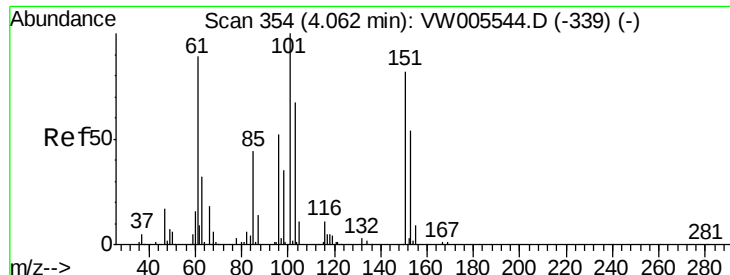


#8

Diethyl Ether
 Concen: 6.551 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.172 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

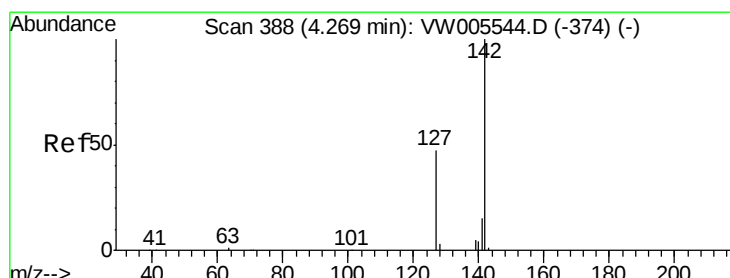
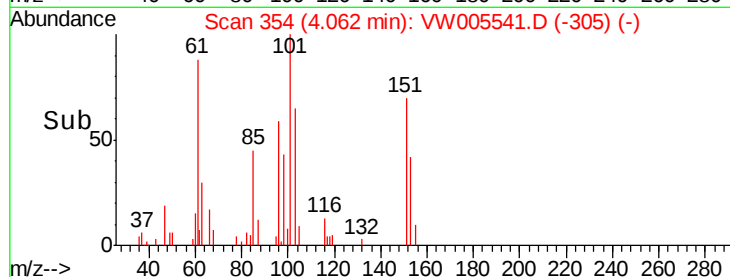
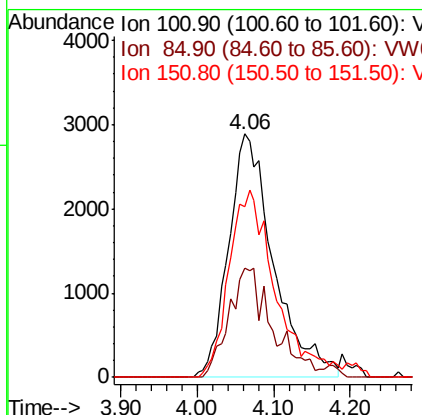
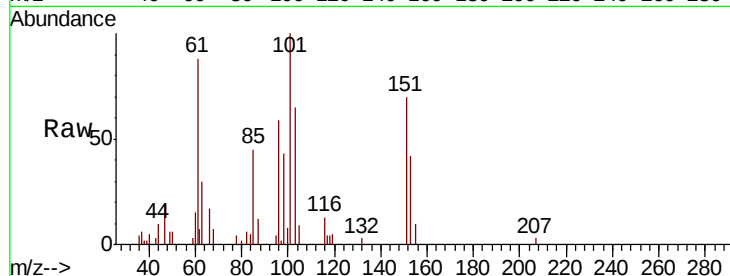
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11818
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.4	54.6
151	79.1	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 8.284 ug/l

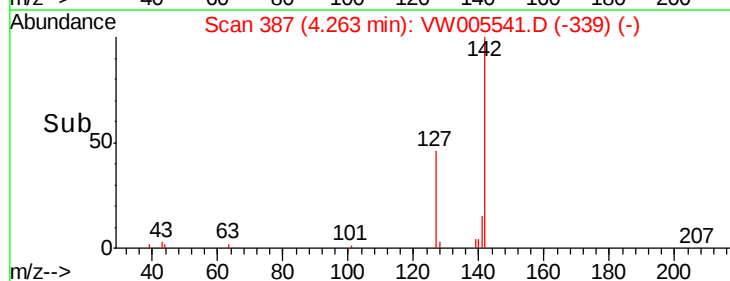
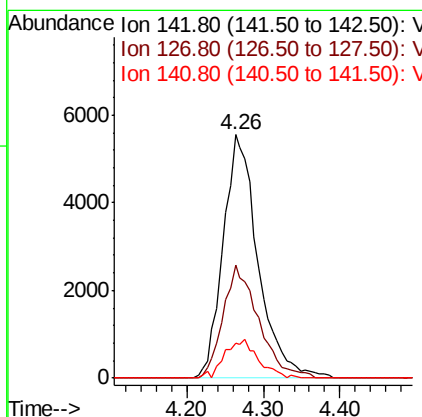
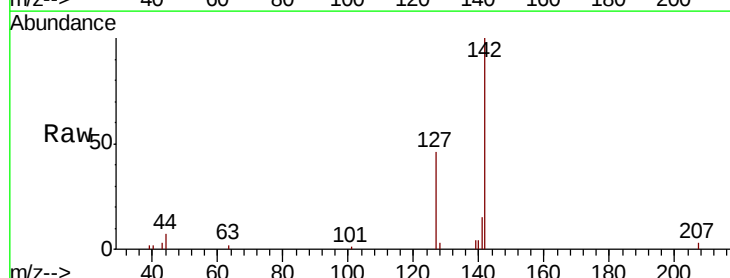
RT: 4.26 min Scan# 387

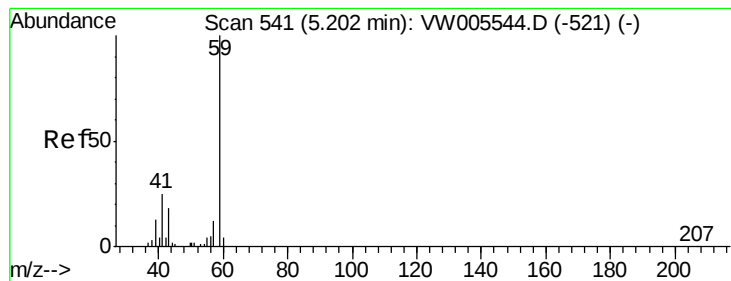
Delta R.T. -0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion:	142	Resp:	17524
Ion Ratio	Lower	Upper	
142	100		
127	47.2	37.4	56.0
141	15.0	11.9	17.9





#11

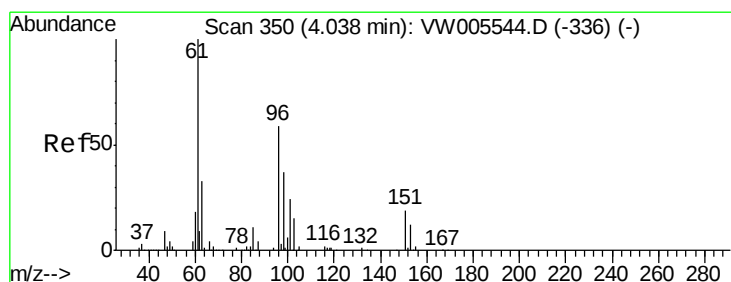
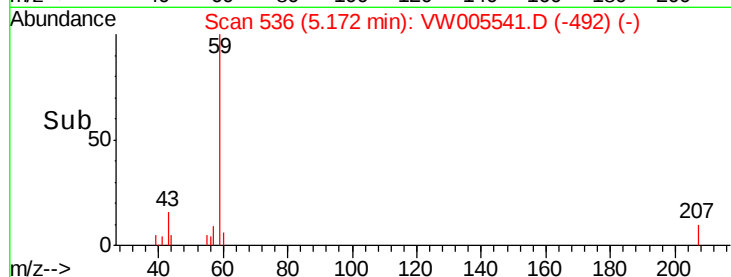
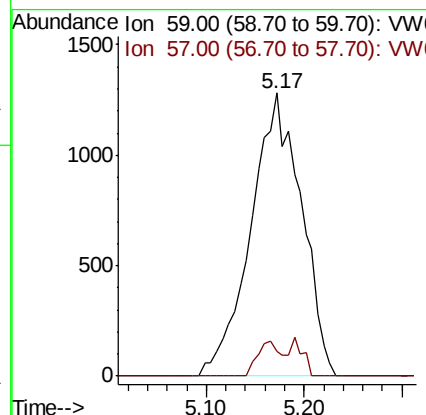
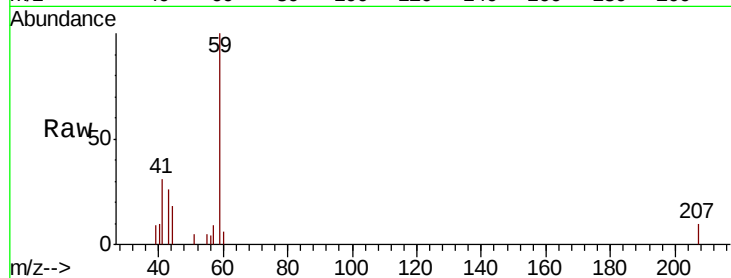
Tert butvl alcohol
Concen: 28.542 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.03 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.3	12.5#

Manual Integrations
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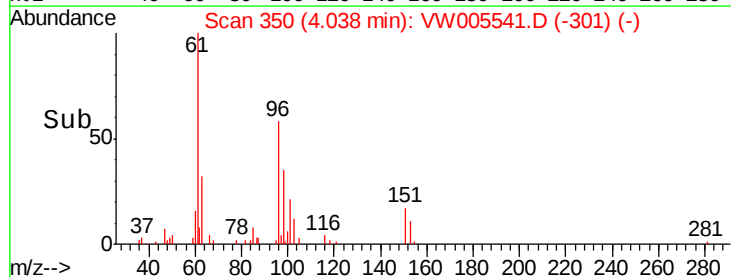
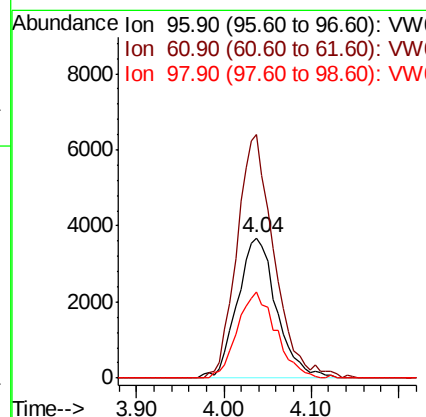
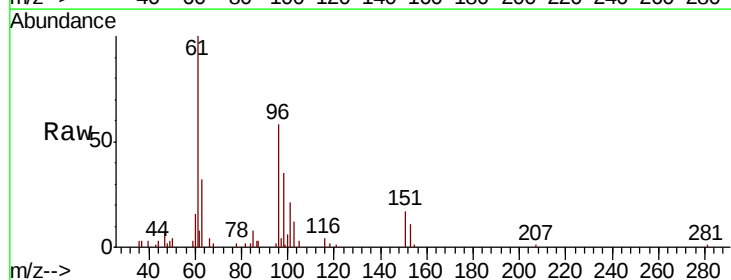
apatel
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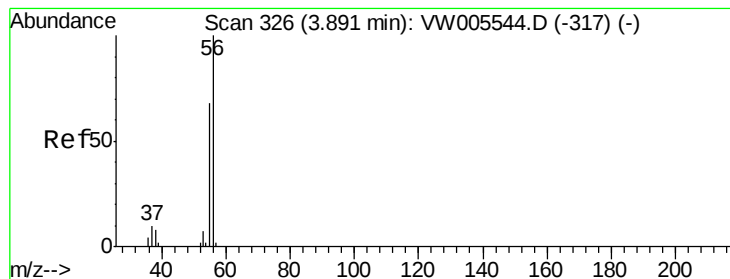


#12

1,1-Dichloroethene
Concen: 6.508 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	135.0	202.6
98	61.7	50.6	76.0





#13

Acrolein

Concen: 31.753 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3366

Ion Ratio Lower Upper

56 100

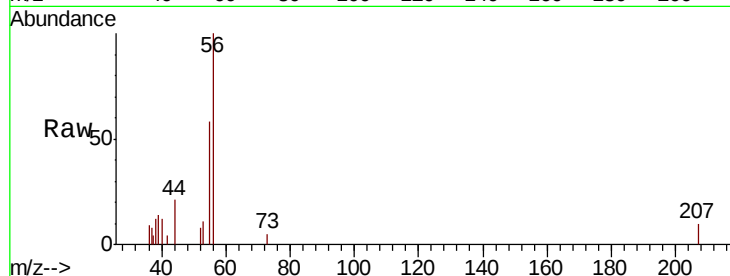
55 67.5 57.8 86.8

Manual Integrations

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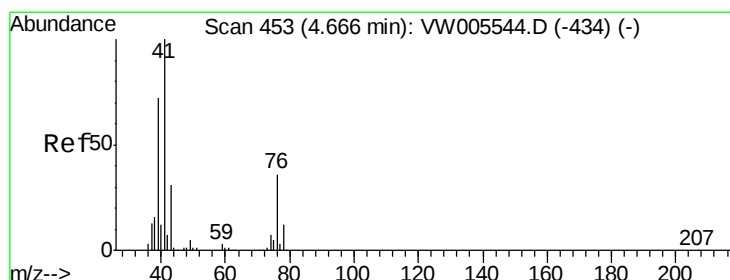
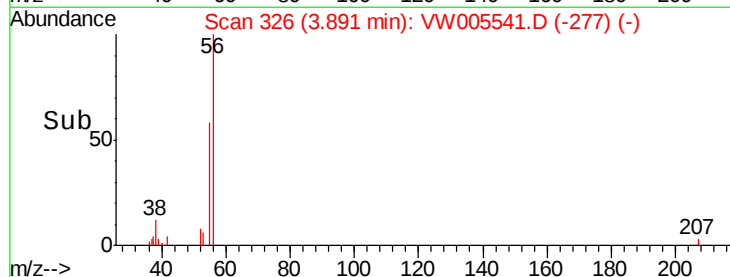
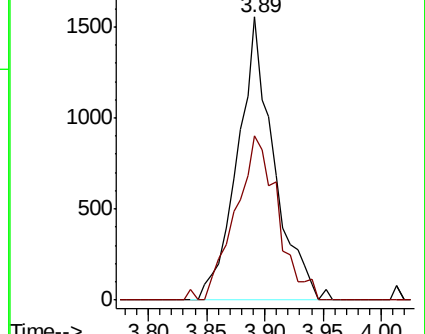
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 5.659 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

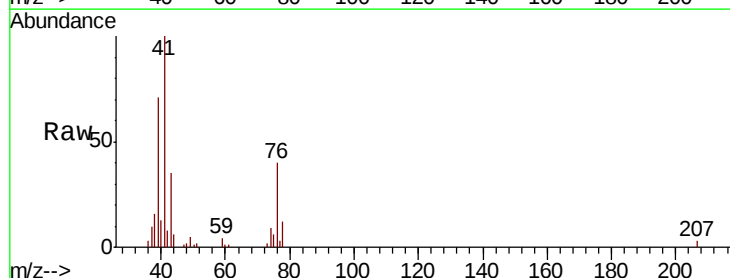
Tgt Ion: 41 Resp: 18271

Ion Ratio Lower Upper

41 100

39 75.9 59.6 89.4

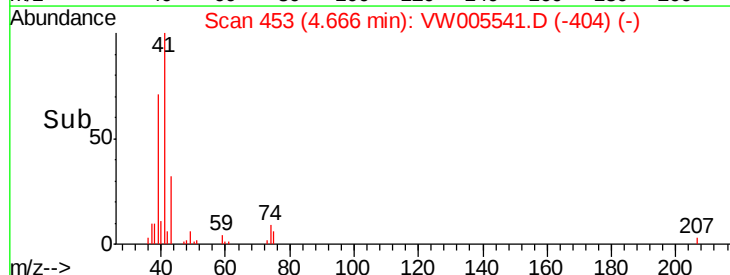
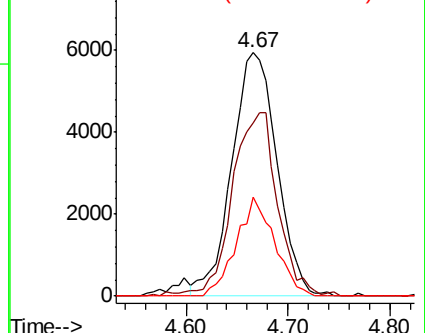
76 34.5 27.7 41.5

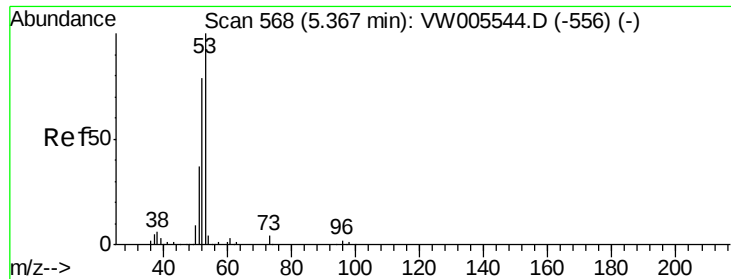


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 28.998 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

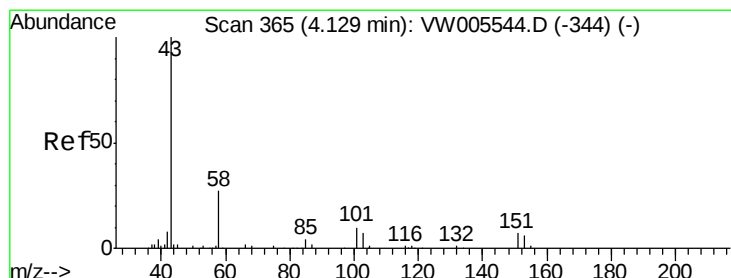
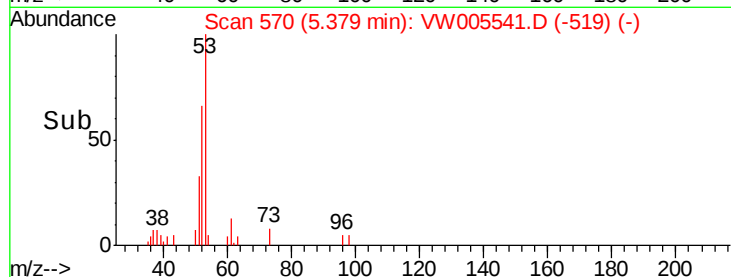
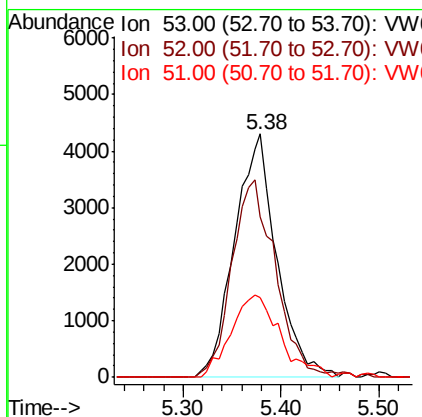
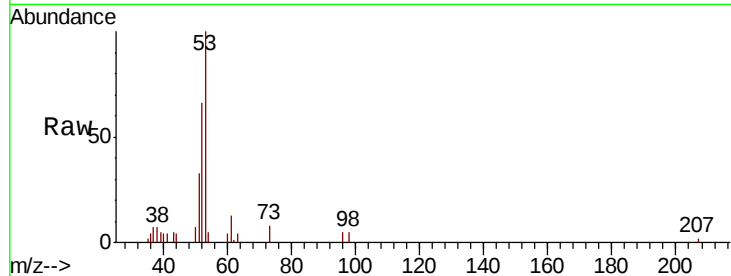
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	12856
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.5	99.7
51	39.3	30.6	46.0

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#16

Acetone

Concen: 37.191 ug/l

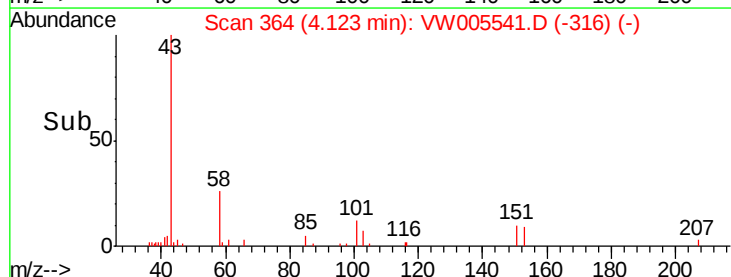
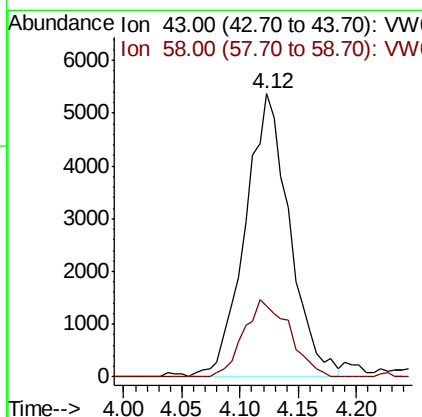
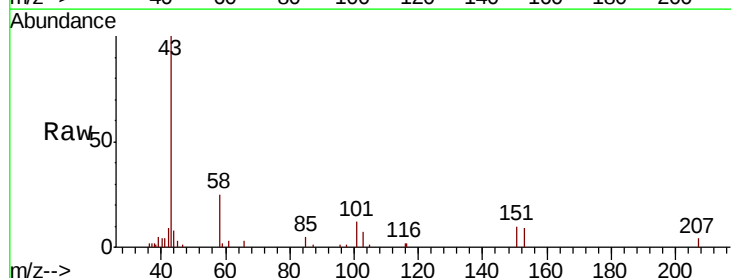
RT: 4.12 min Scan# 364

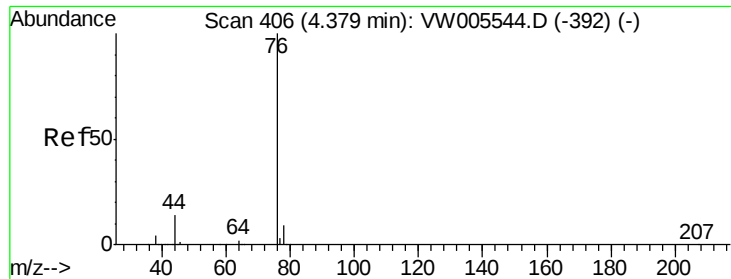
Delta R.T. -0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion:	43	Resp:	14211
Ion	Ratio	Lower	Upper
43	100		
58	25.3	21.8	32.8





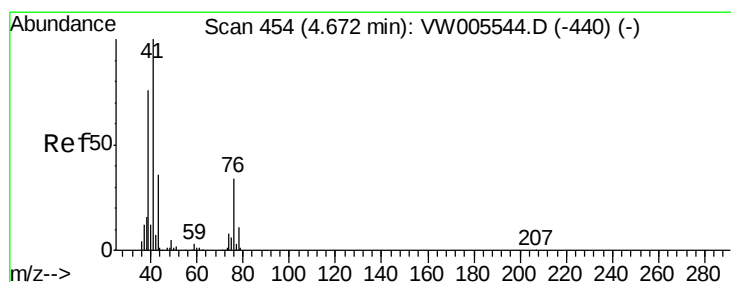
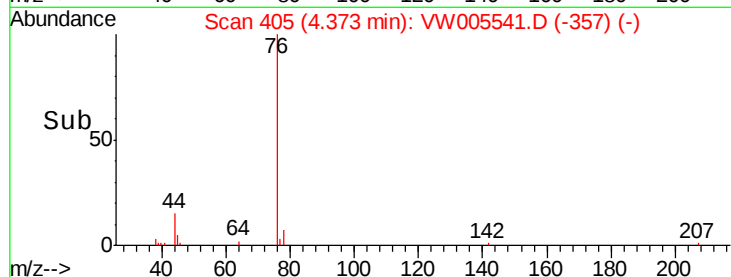
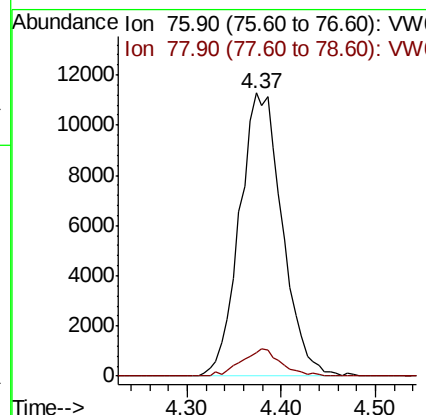
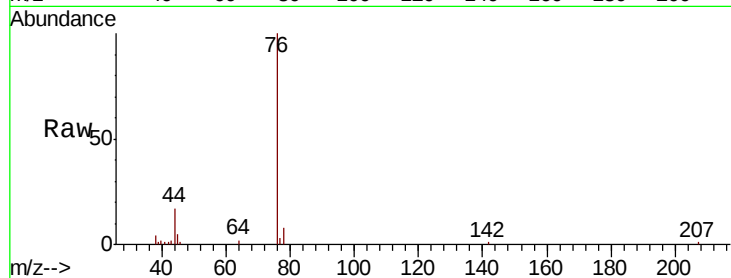
#17
Carbon Disulfide
Concen: 5.919 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.4	11.0

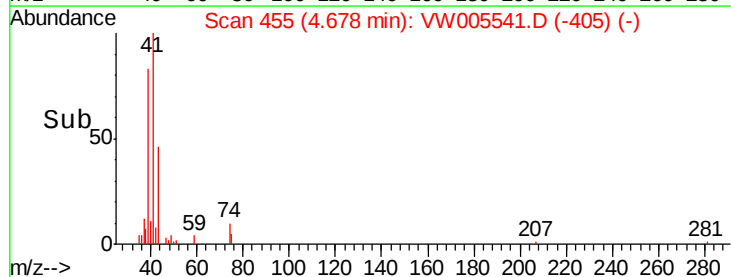
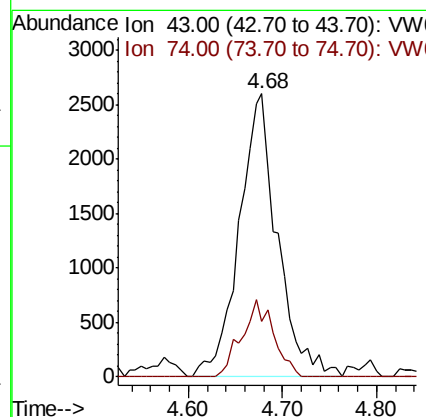
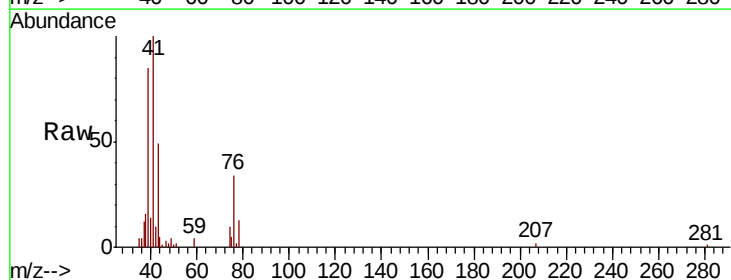
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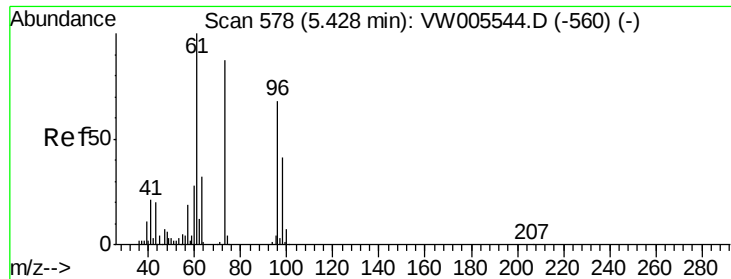
apatel
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#18
Methyl Acetate
Concen: 6.607 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.2	28.8





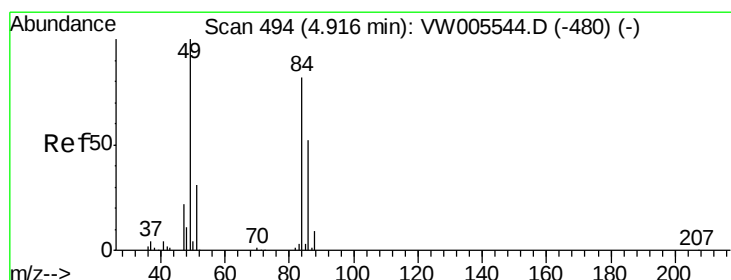
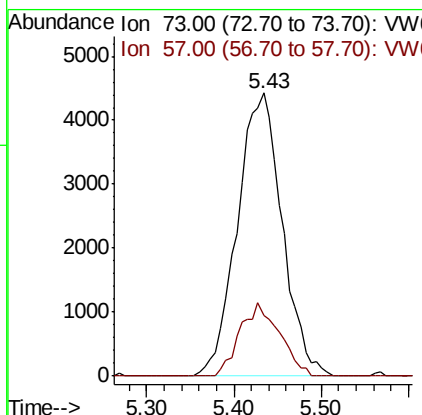
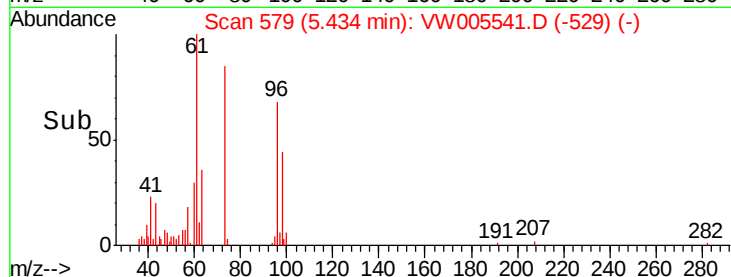
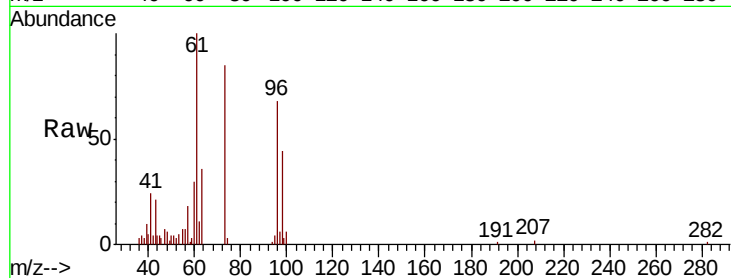
#19
Methvl tert-butvl Ether
Concen: 3.604 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 15741
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

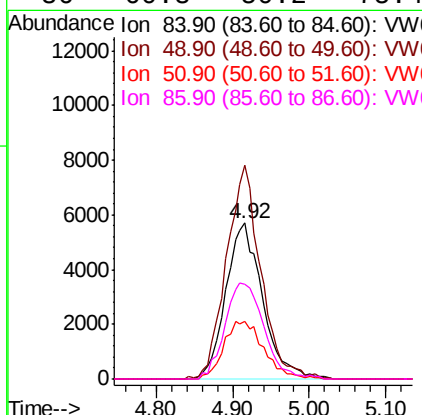
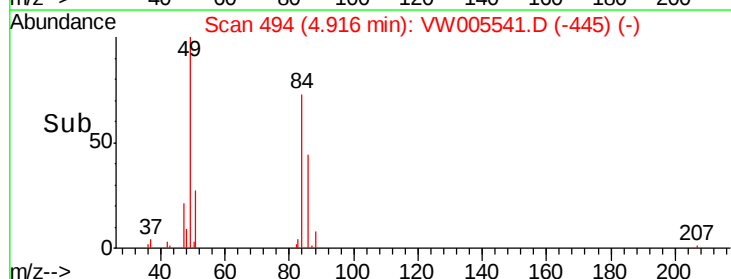
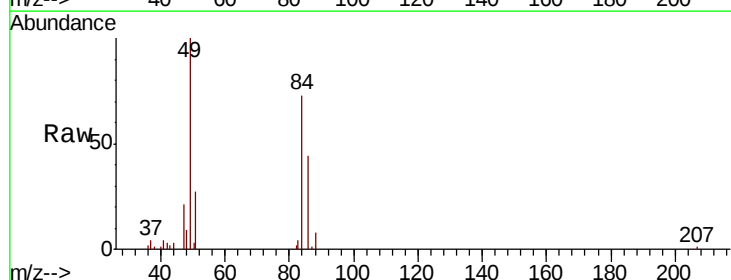
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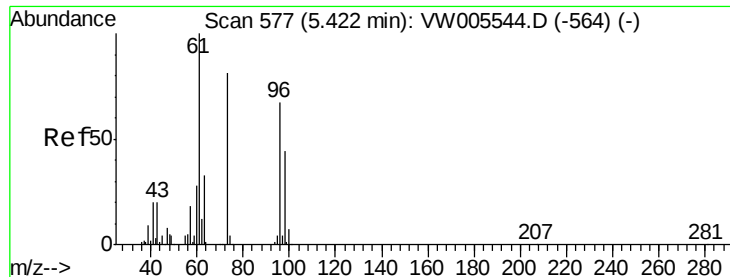
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#20
Methylene Chloride
Concen: 6.930 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 84 Resp: 18915
Ion Ratio Lower Upper
84 100
49 137.0 97.0 145.6
51 36.7 30.2 45.2
86 60.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 5.699 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

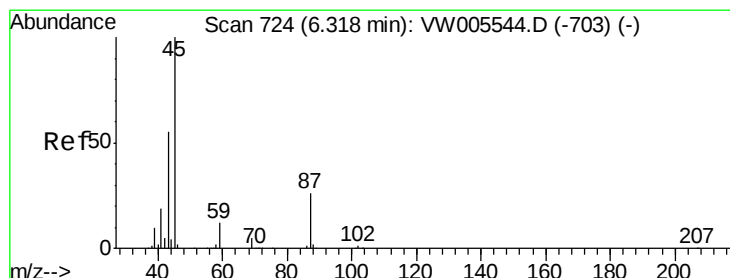
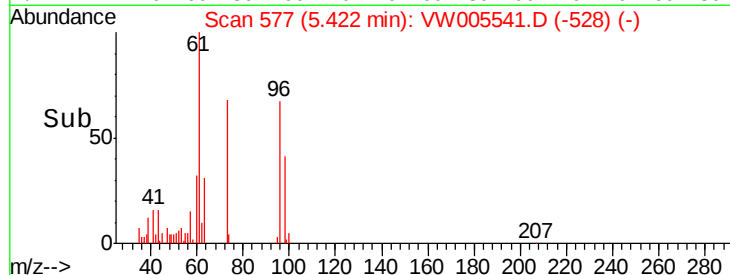
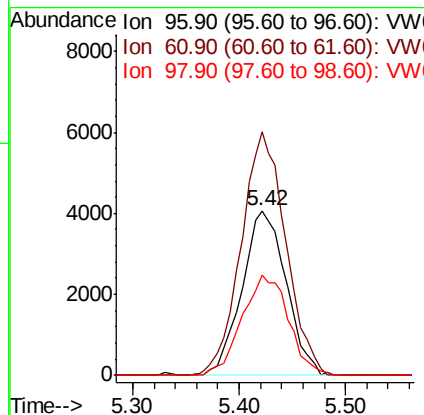
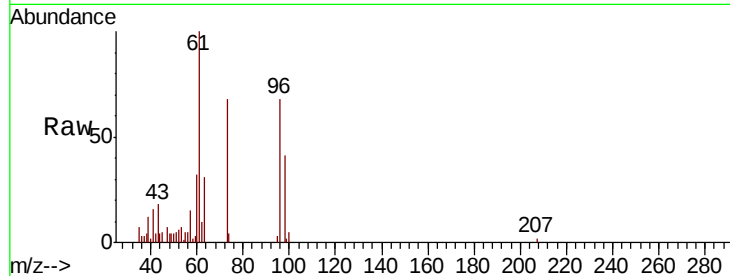
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11825
Ion	Ratio	Lower	Upper
96	100		
61	147.8	118.9	178.3
98	60.7	52.1	78.1

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#22

Diisopropyl ether

Concen: 5.245 ug/l

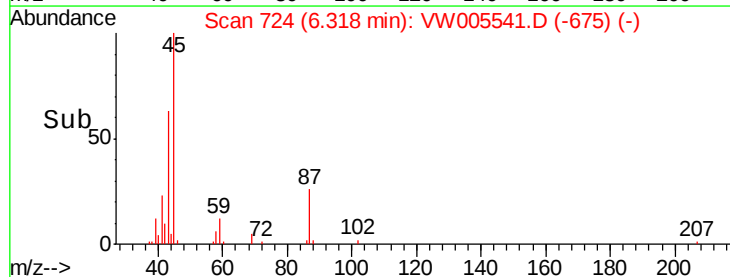
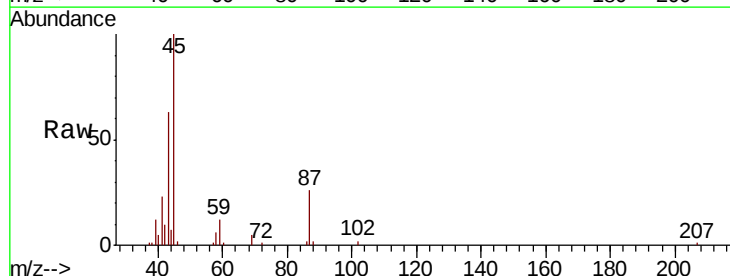
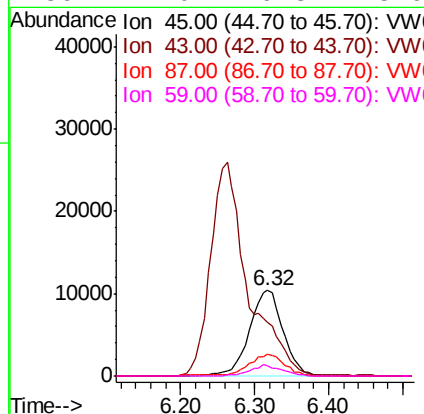
RT: 6.32 min Scan# 724

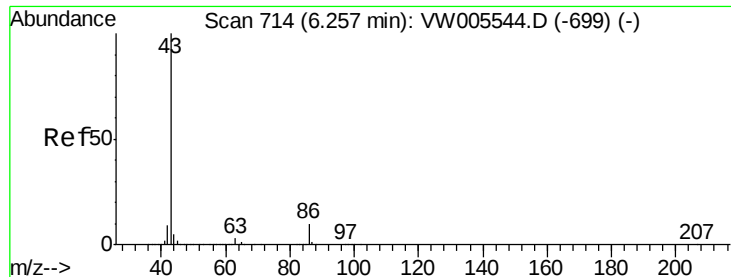
Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion:	45	Resp:	33106
Ion	Ratio	Lower	Upper
45	100		
43	62.1	44.2	66.4
87	25.9	21.4	32.2
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 25.174 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 90778

Ion Ratio Lower Upper

43 100

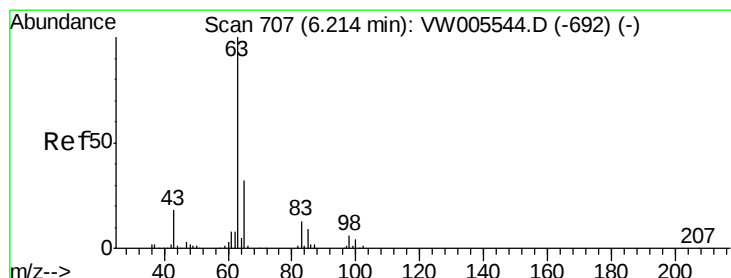
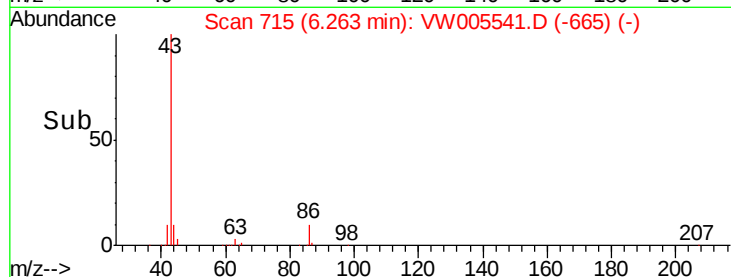
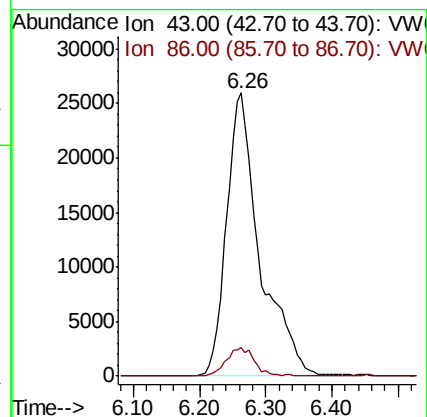
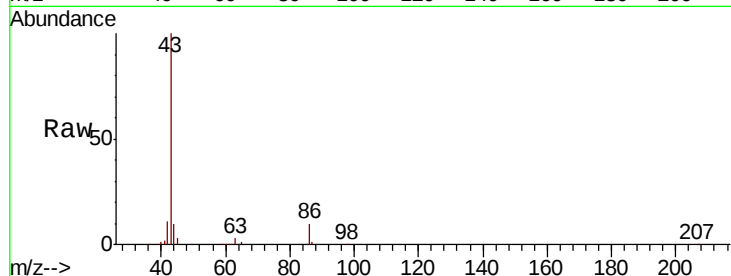
86 10.2 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 5.972 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

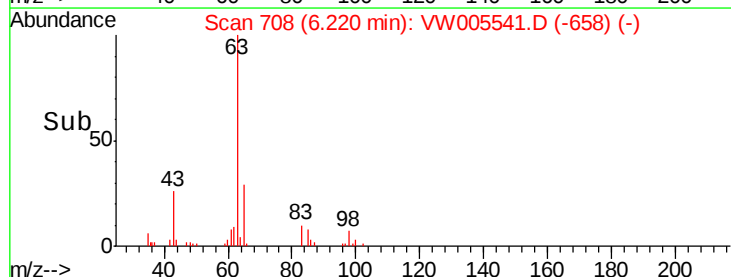
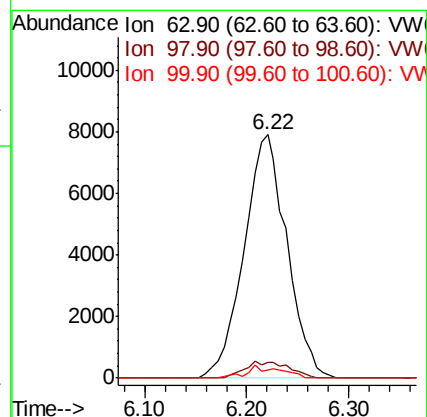
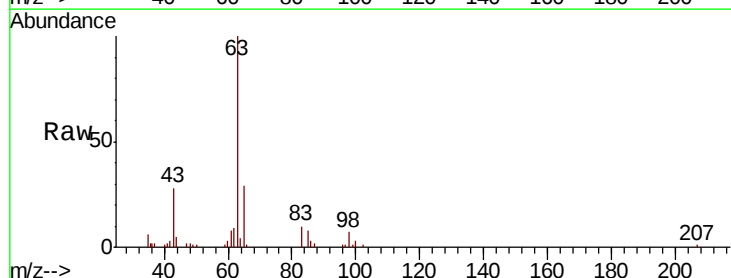
Tgt Ion: 63 Resp: 23047

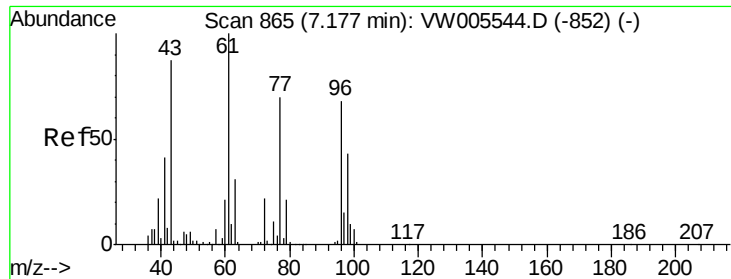
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.3 2.1 6.2





#25

2-Butanone

Concen: 30.832 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 17174

Ion Ratio Lower Upper

43 100

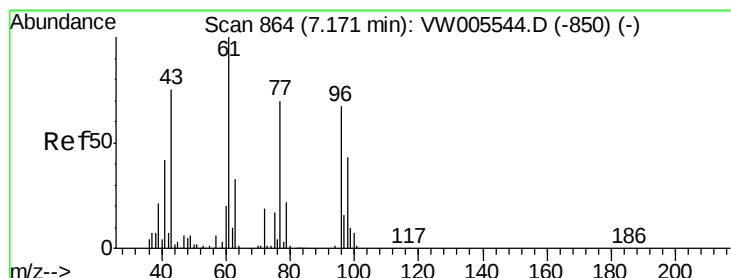
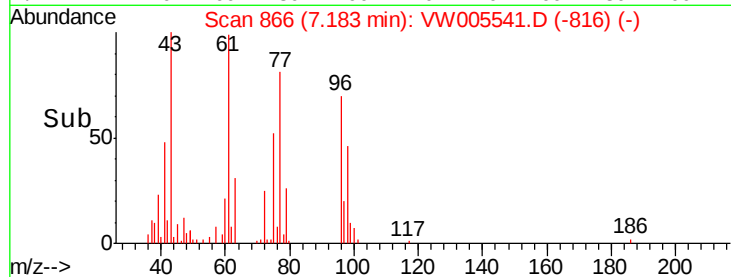
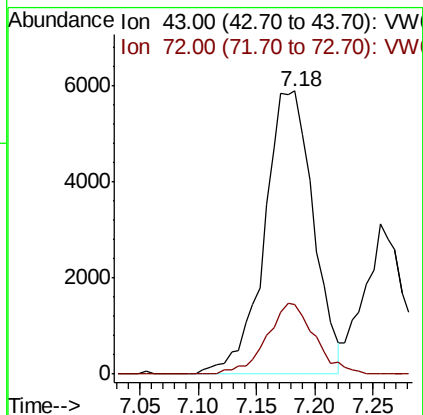
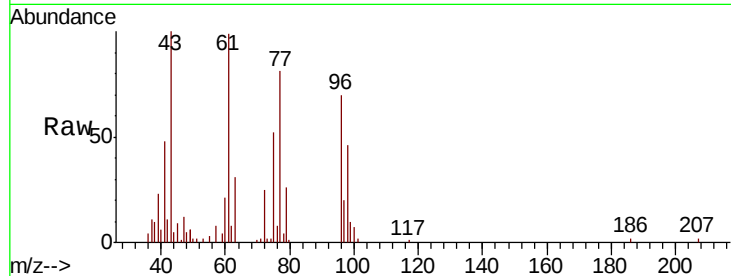
72 24.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.360 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005541.D

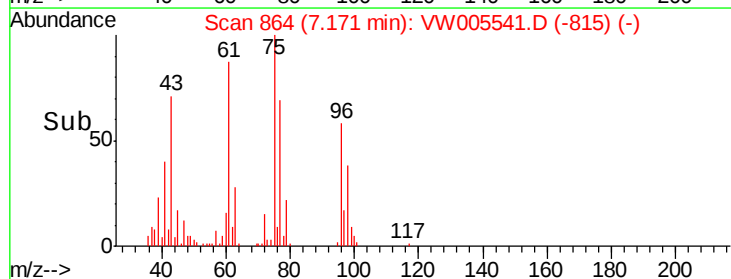
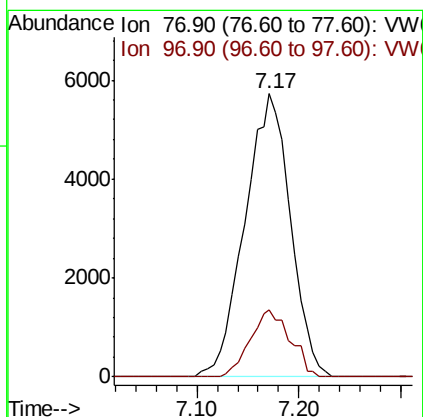
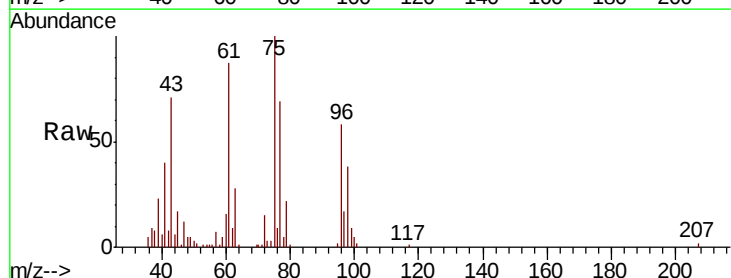
Acq: 20 Sep 2018 20:36

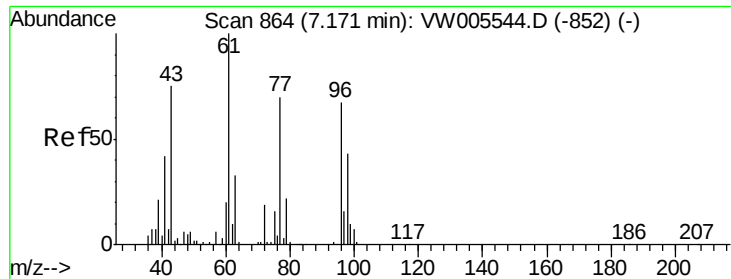
Tgt Ion: 77 Resp: 17722

Ion Ratio Lower Upper

77 100

97 20.9 11.0 33.0





#27

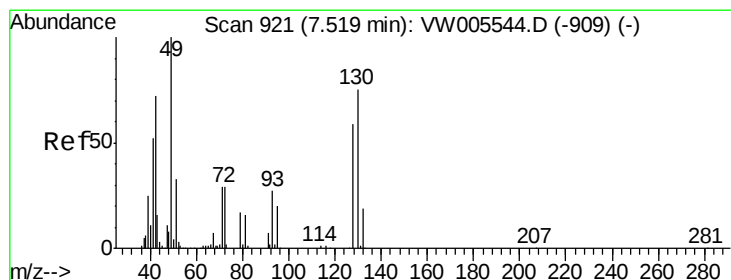
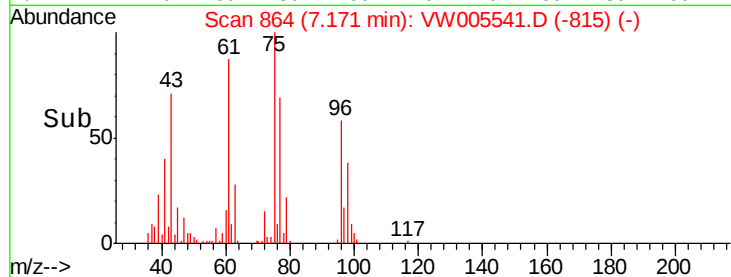
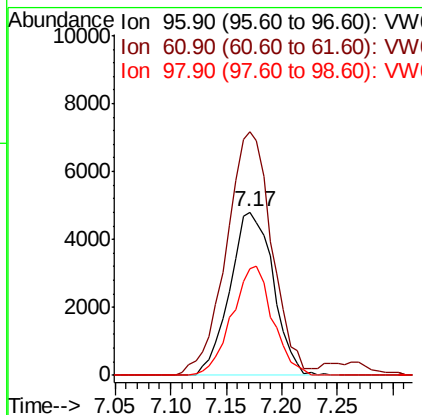
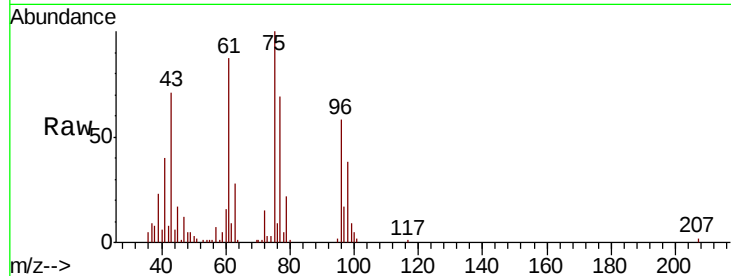
cis-1,2-Dichloroethene
 Concen: 5.745 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.6	0.0	303.4
98	62.9	0.0	127.2

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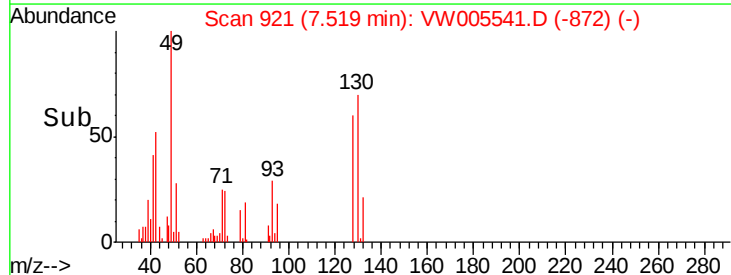
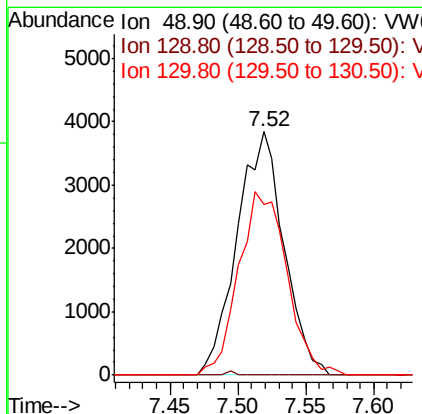
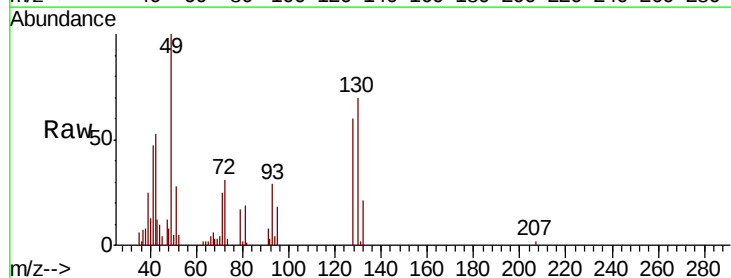
apatel
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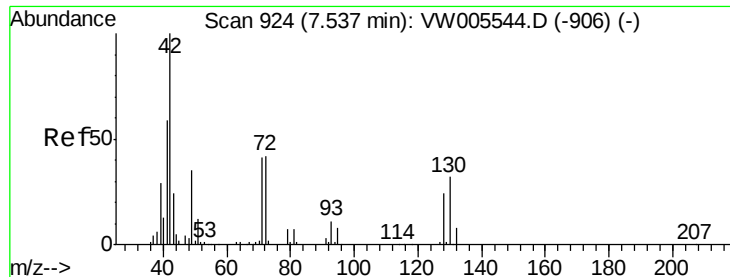


#28

Bromochloromethane
 Concen: 6.175 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.4
130	77.4	61.3	91.9





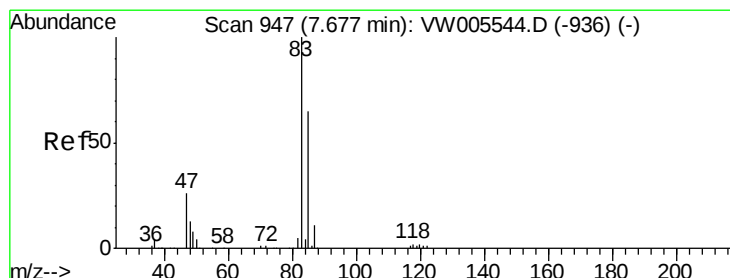
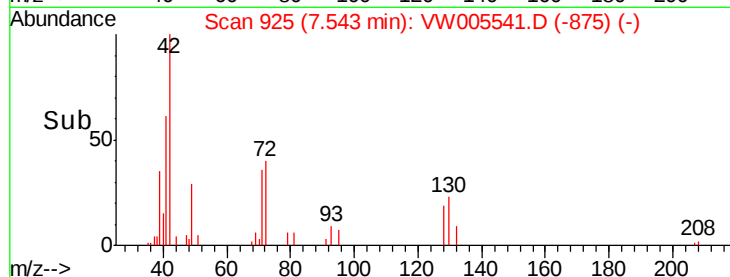
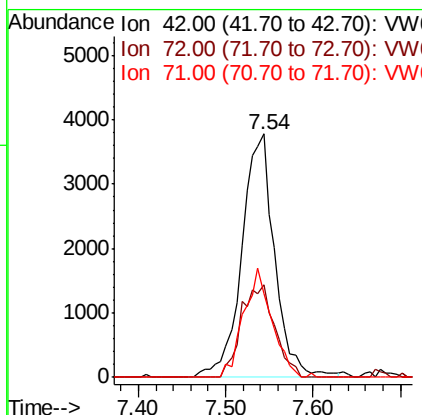
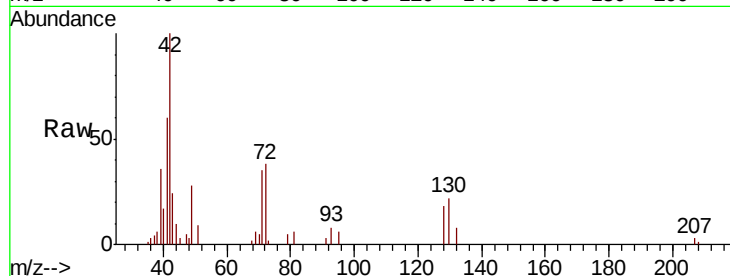
#29
Tetrahydrofuran
Concen: 27.582 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	33.6	50.4
71	38.5	31.8	47.6

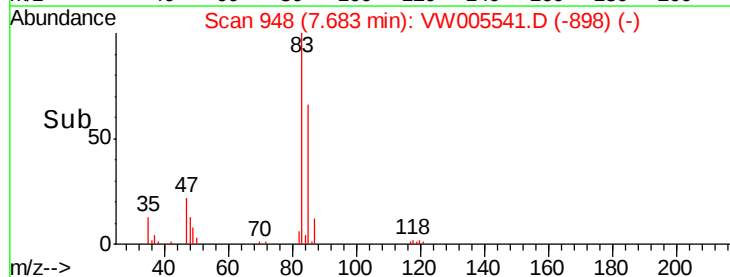
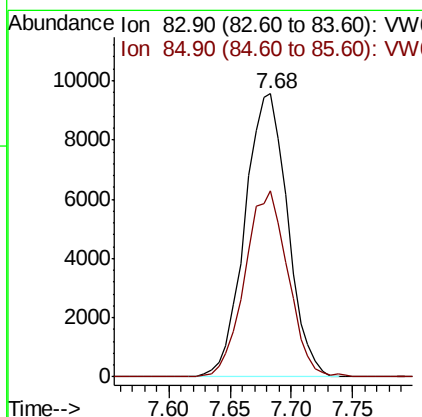
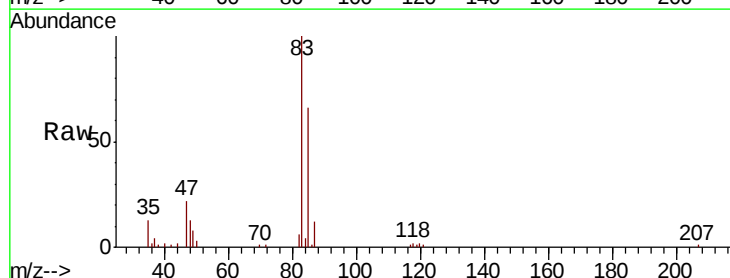
Manual Integrations
APPROVED

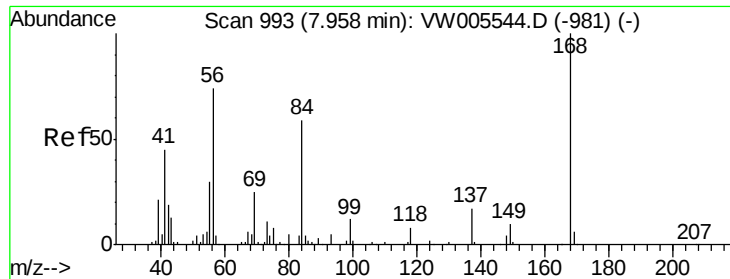
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#30
Chloroform
Concen: 5.804 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6





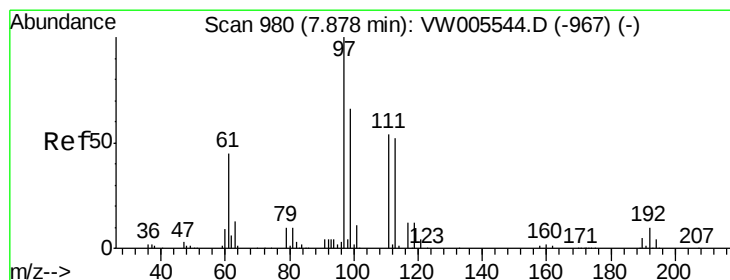
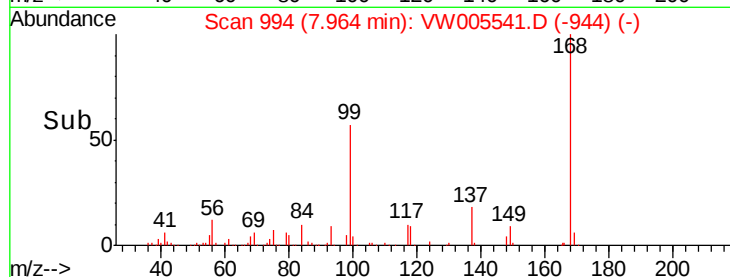
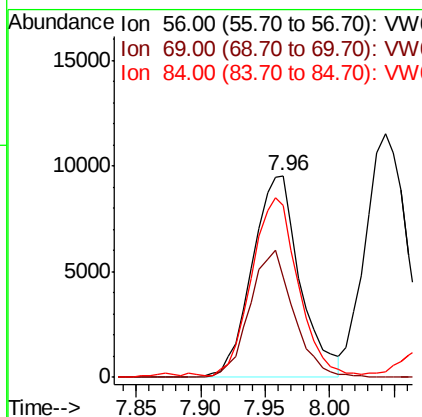
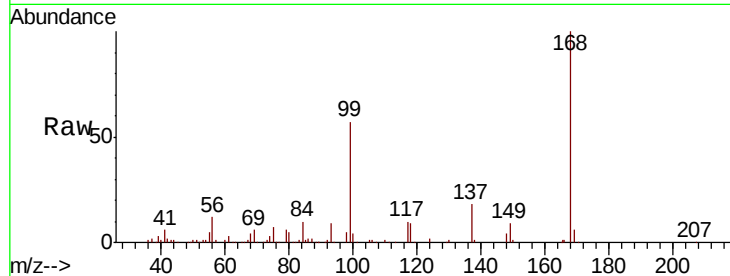
#31
Cyclohexane
Concen: 6.652 ug/l
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	49.6	27.0	40.4#
84	83.5	64.2	96.4

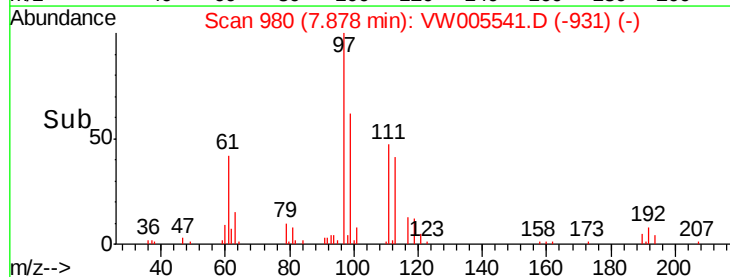
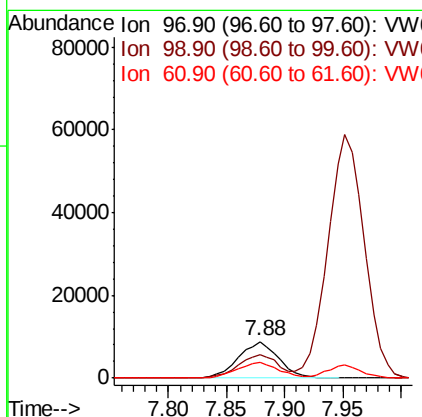
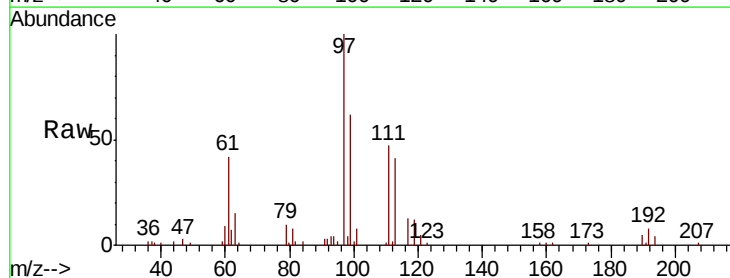
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 5.768 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	44.3	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 5.627 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 13227

Ion Ratio Lower Upper

65 100

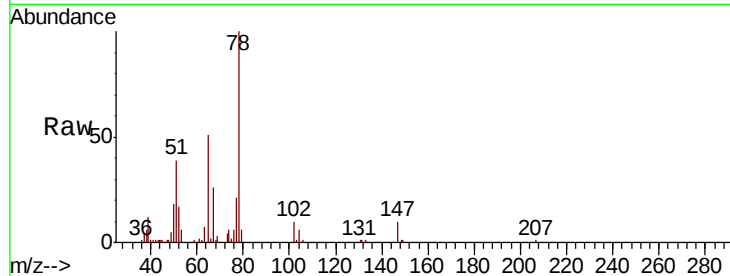
67 53.2 0.0 100.6

Manual Integrations

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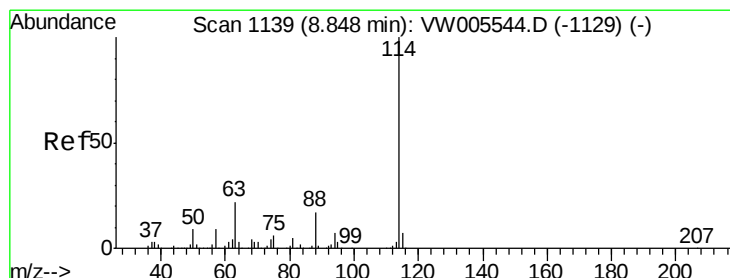
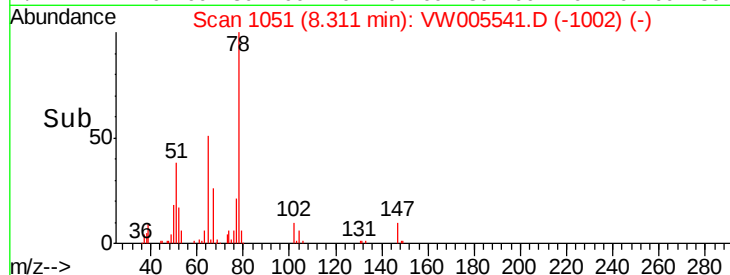
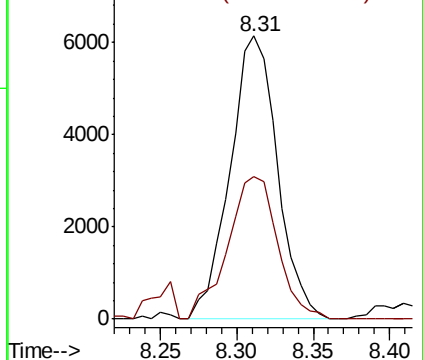
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

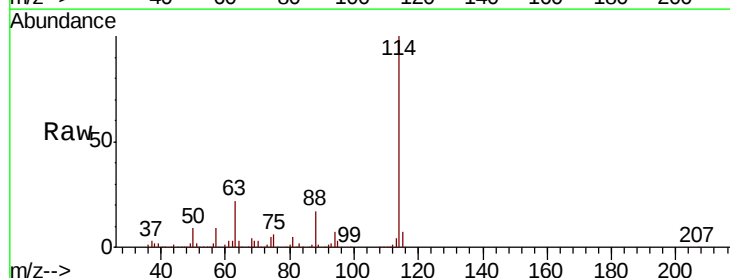
Tgt Ion: 114 Resp: 344497

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.0

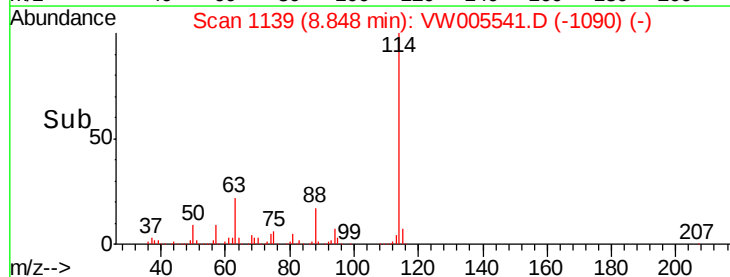
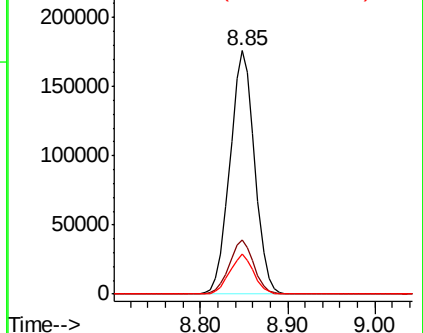
88 16.5 0.0 33.0

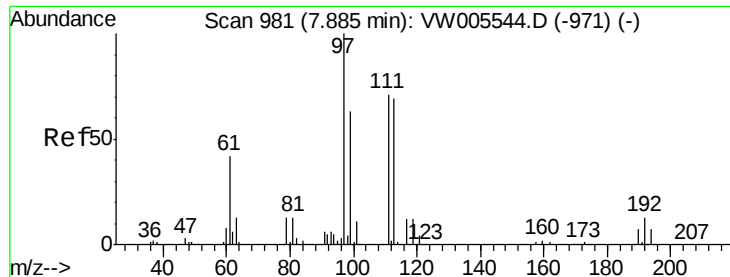


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





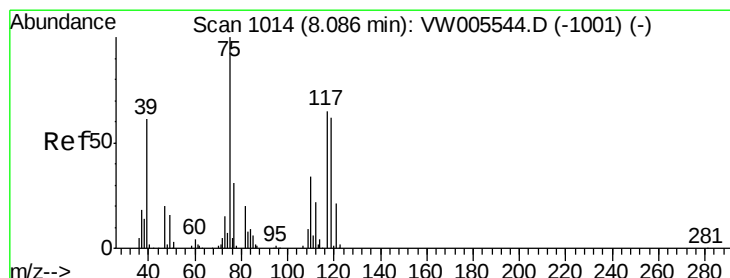
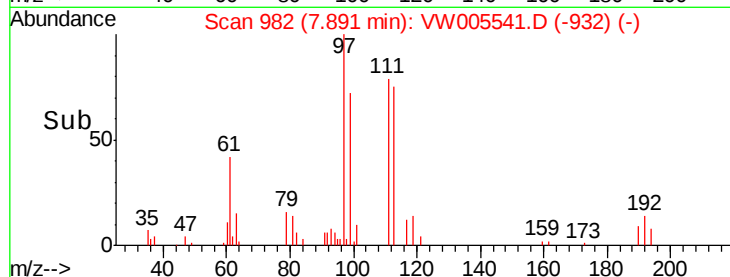
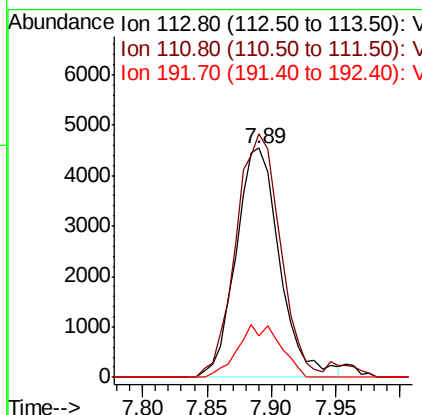
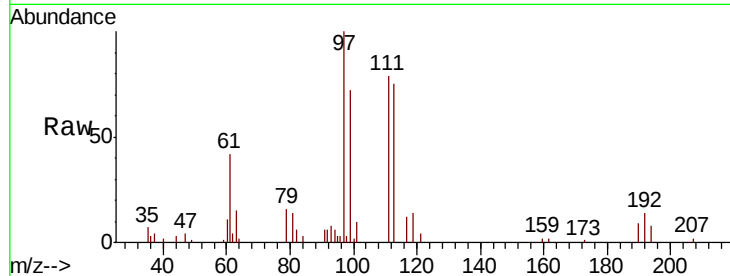
#35
 Dibromofluoromethane
 Concen: 5.366 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	10698		
111	107.8	82.6	123.8	
192	22.4	17.0	25.4	

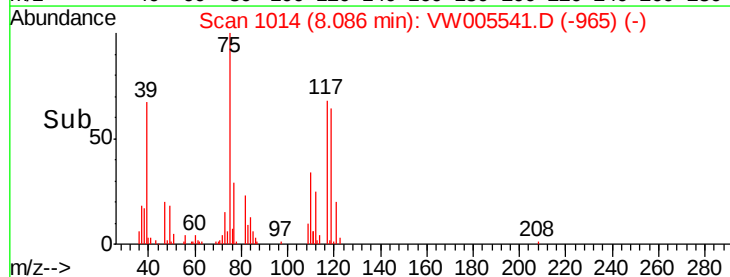
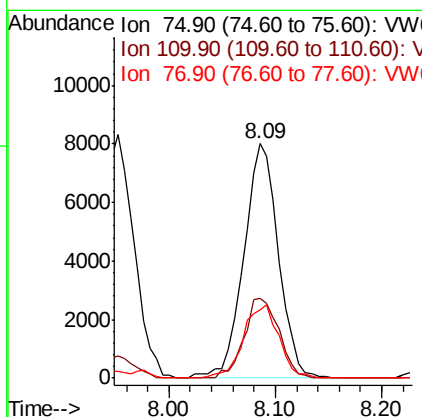
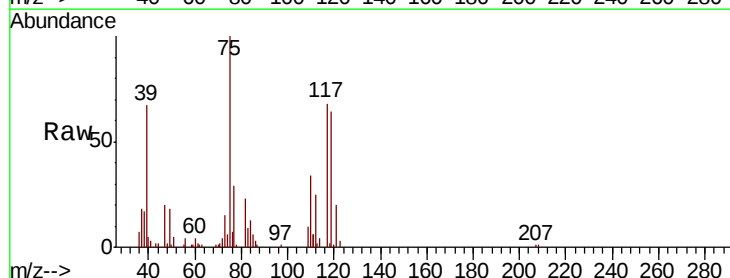
Manual Integrations
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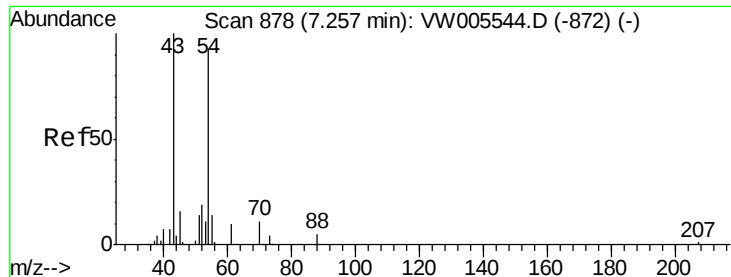
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#36
 1,1-Dichloropropene
 Concen: 5.510 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18262		
110	34.2	17.0	50.9	
77	32.1	24.8	37.2	





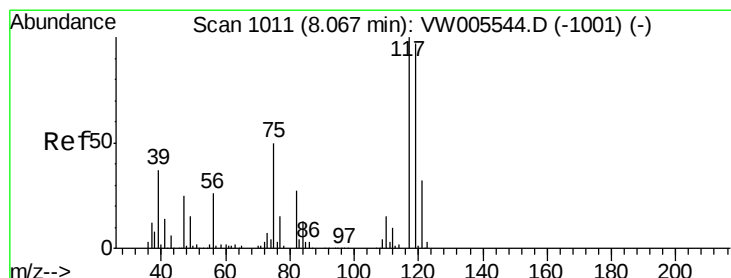
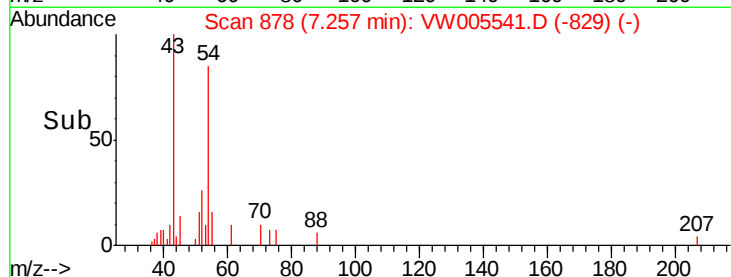
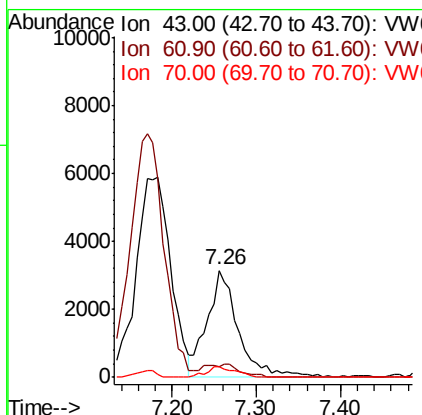
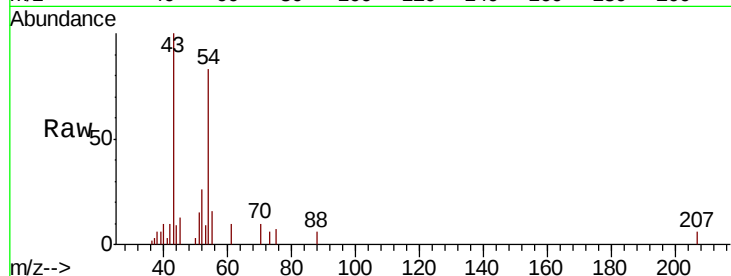
#37
Ethyl Acetate
Concen: 5.994 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	9.5	8.2	12.2

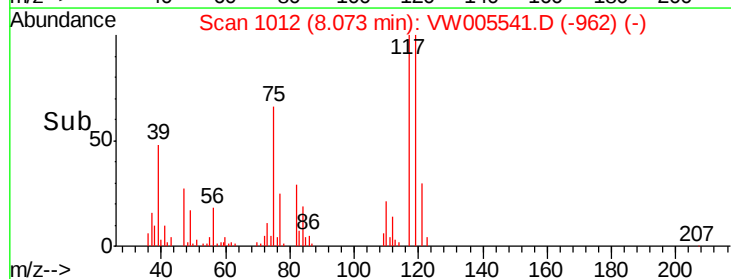
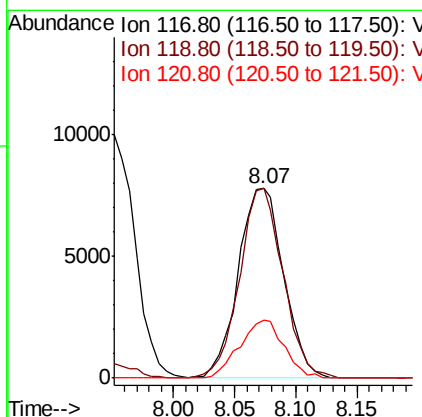
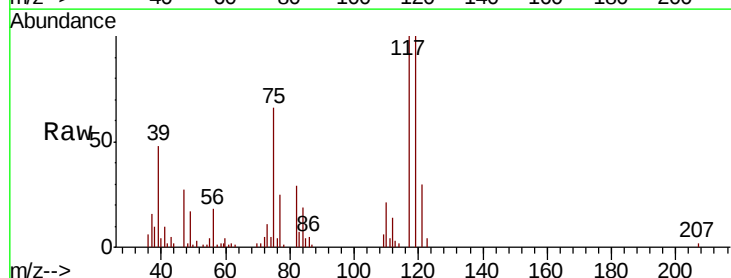
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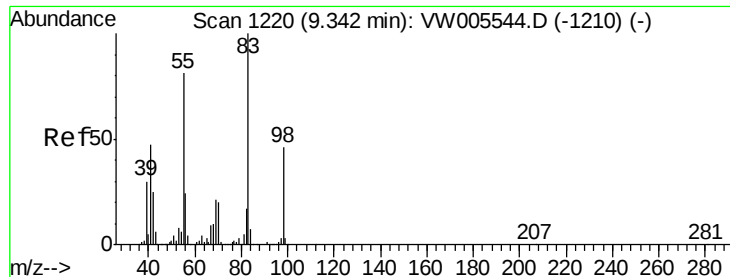
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#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	77.6	116.4
121	30.4	25.7	38.5





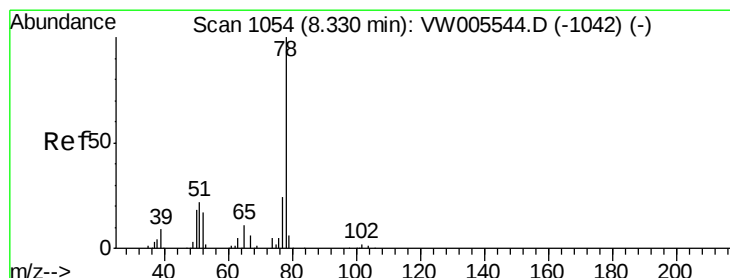
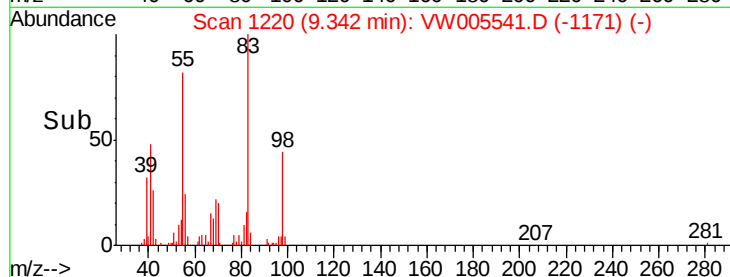
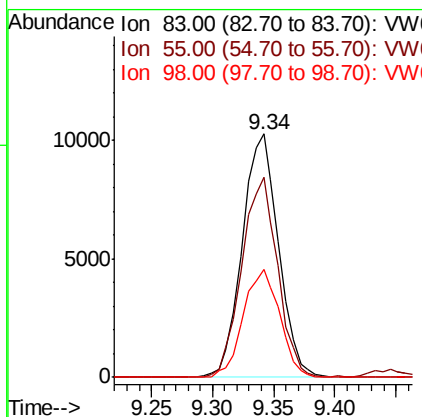
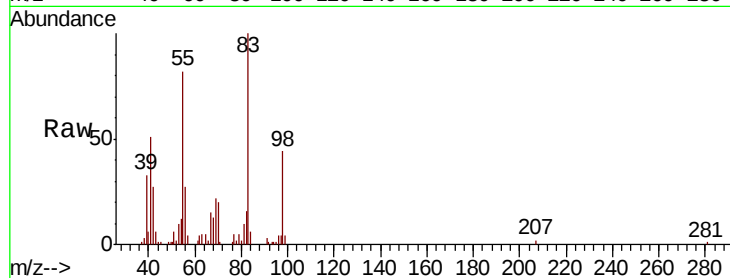
#39
Methvlcvclohexane
Concen: 5.495 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	64.6	97.0
98	44.2	37.0	55.6

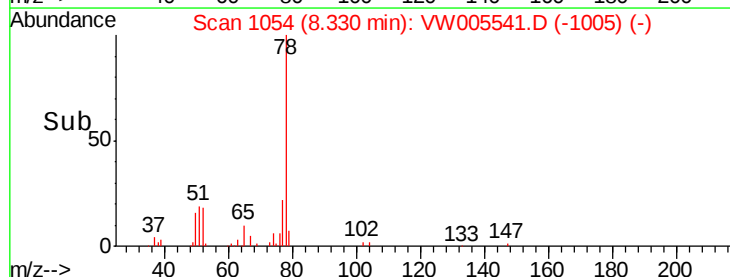
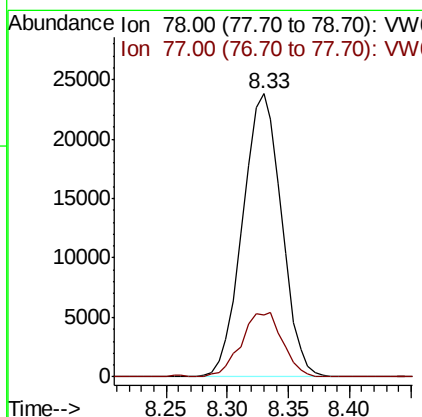
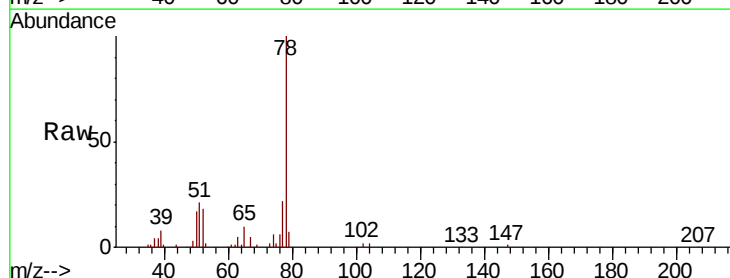
Manual Integrations
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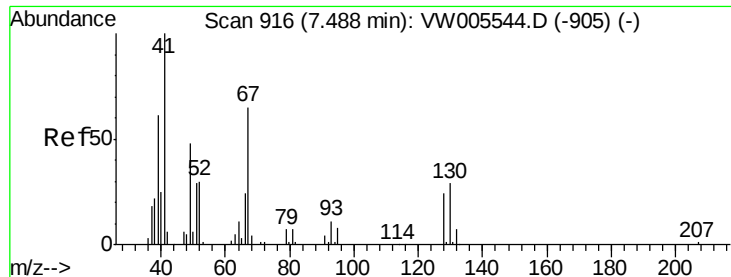
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#40
Benzene
Concen: 5.530 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4





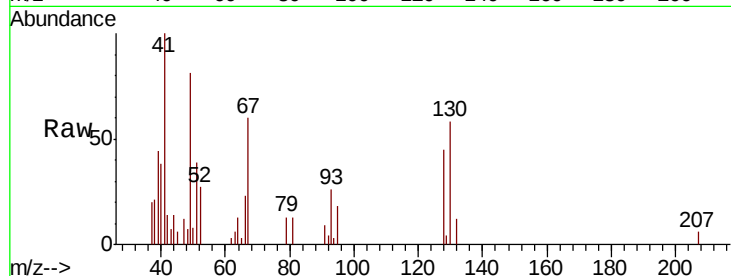
#41
Methacrylonitrile
Concen: 4.443 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	3615
Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.4	68.2
67	80.4	55.2	82.8
52	41.6	25.3	37.9#

Manual Integrations
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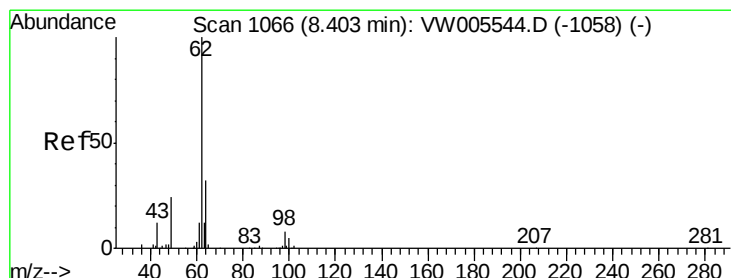
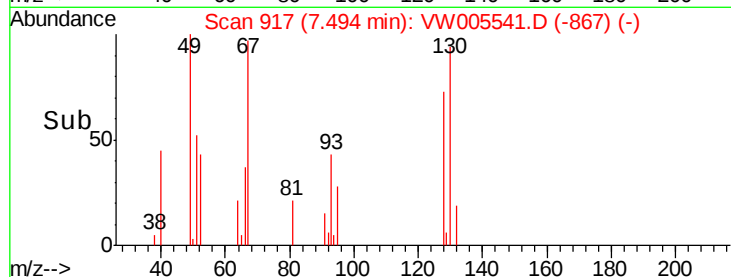
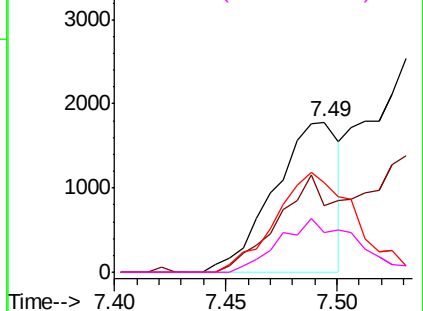
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

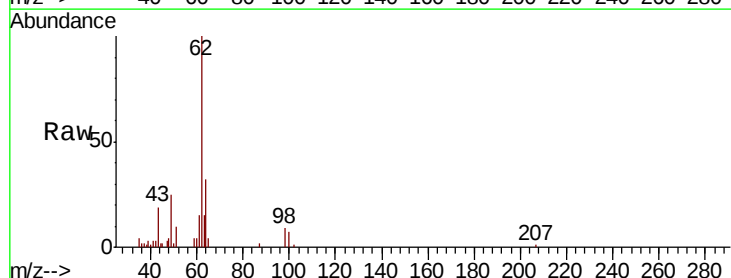
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 5.594 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

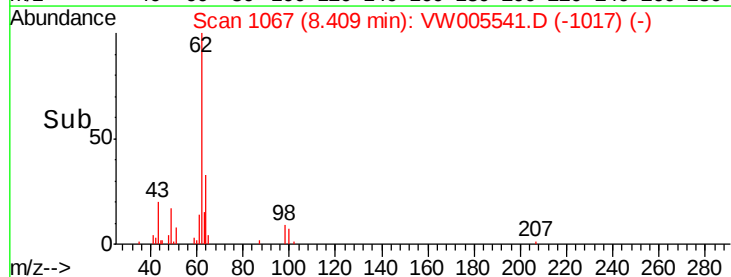
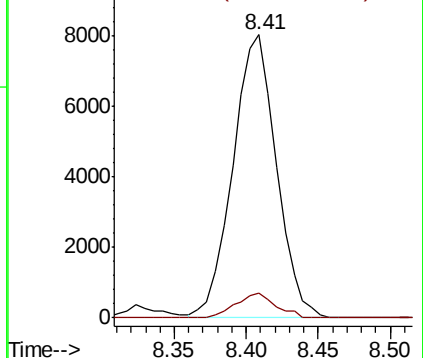
Tgt Ion:	62	Resp:	16874
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6

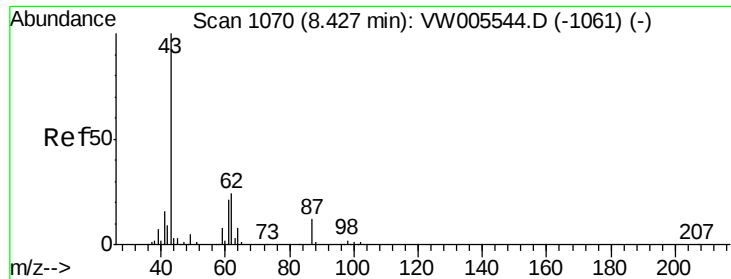


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





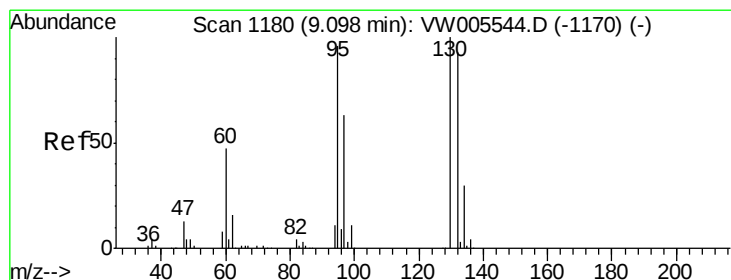
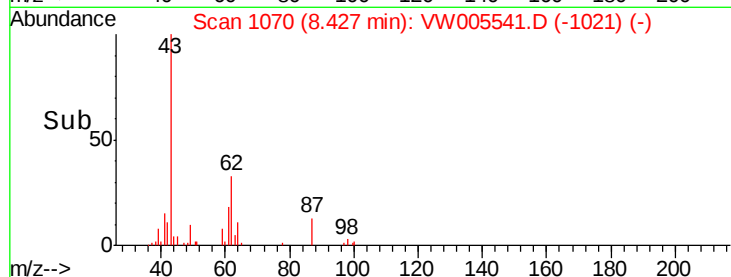
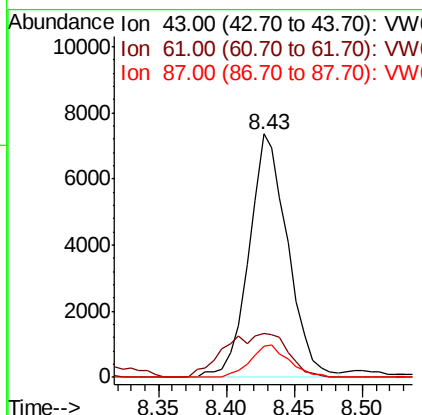
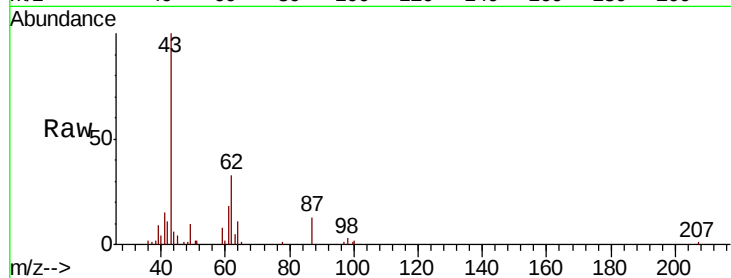
#43
Isopropyl Acetate
Concen: 5.571 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	24.1	36.1
87	13.2	9.8	14.8

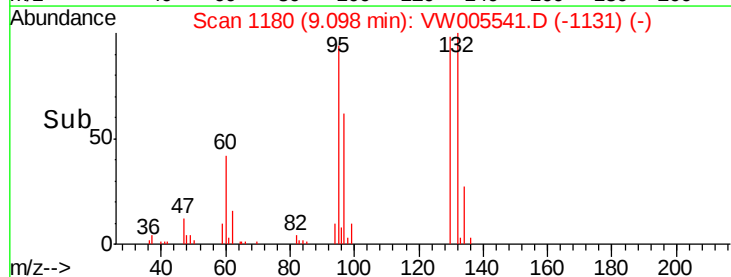
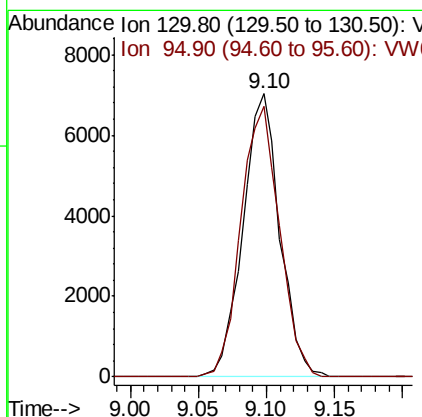
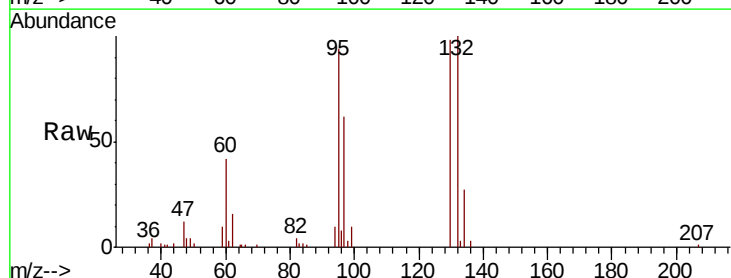
Manual Integrations
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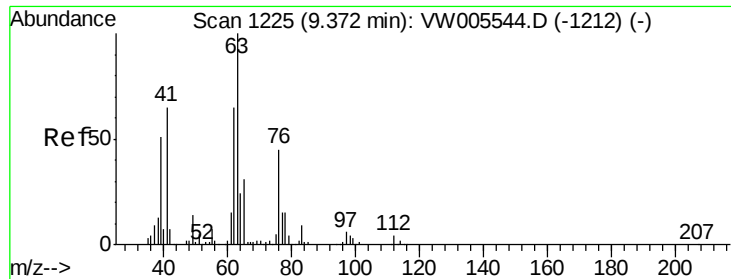
apatel
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#44
Trichloroethene
Concen: 5.424 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.2





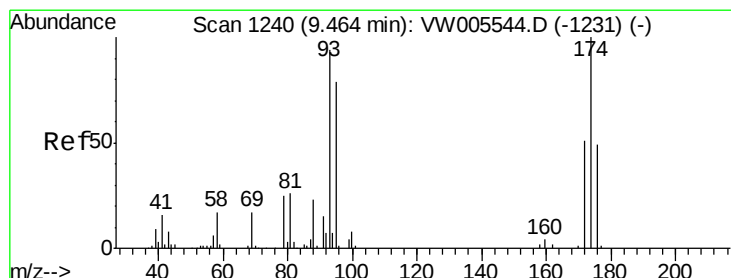
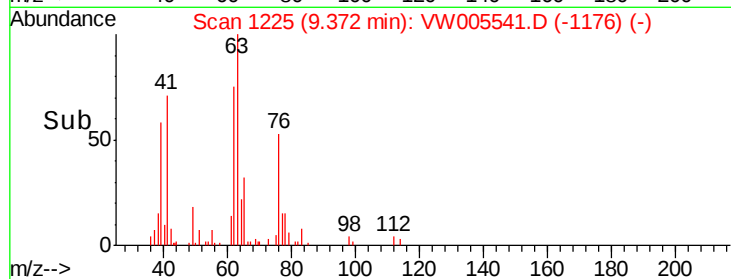
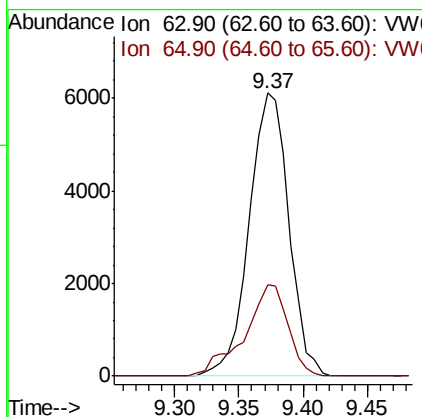
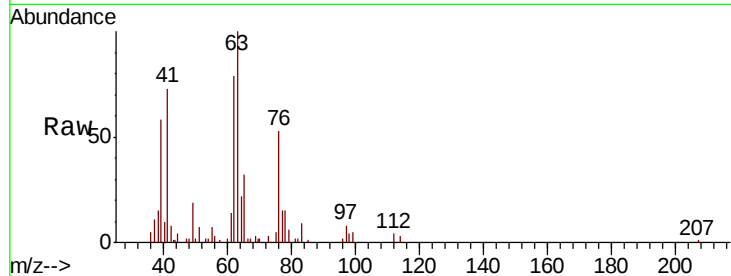
#45
 1,2-Dichloropropane
 Concen: 5.651 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 12989
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.7 37.1

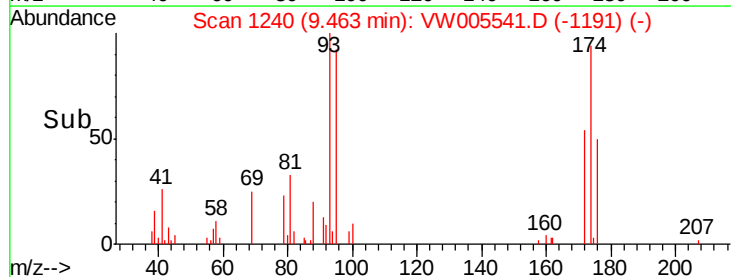
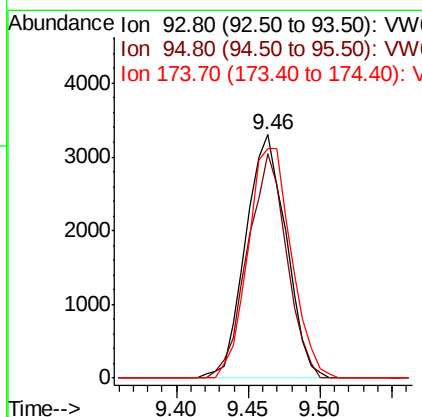
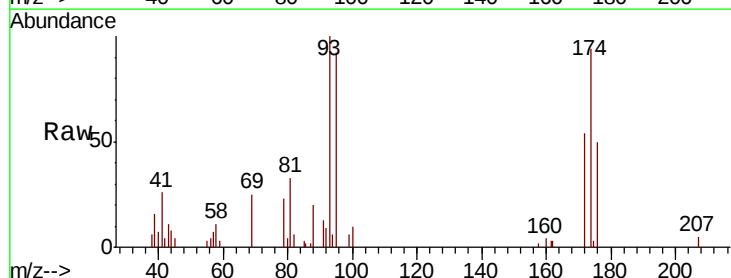
Manual Integrations
 APPROVED

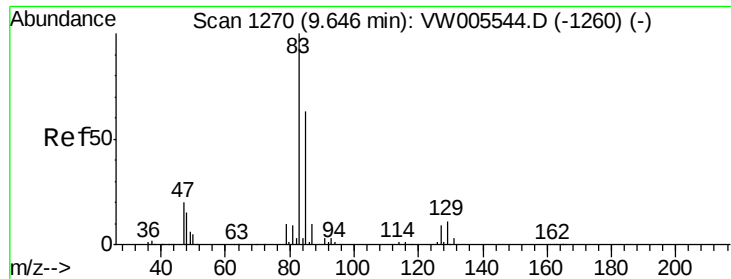
apatel
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#46
 Dibromomethane
 Concen: 5.667 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion: 93 Resp: 6437
 Ion Ratio Lower Upper
 93 100
 95 88.8 65.8 98.8
 174 101.0 84.0 126.0





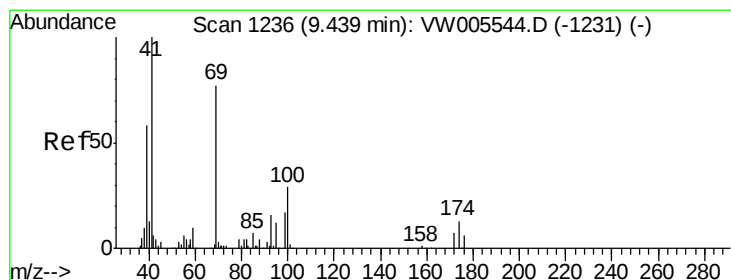
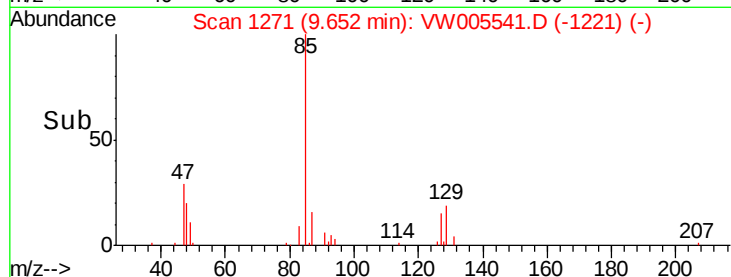
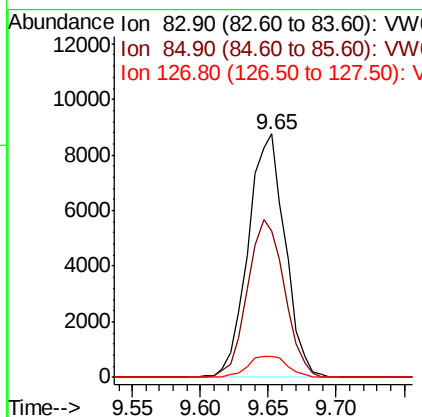
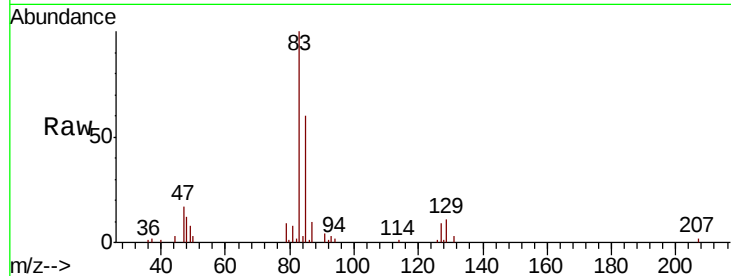
#47
Bromodichloromethane
Concen: 5.442 ug/l
RT: 9.65 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	16697		
85	59.9		50.5	75.7
127	8.7		7.0	10.6

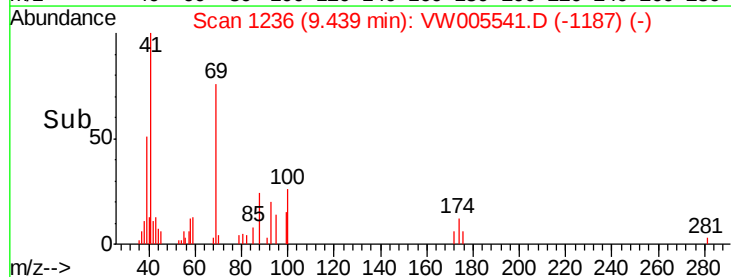
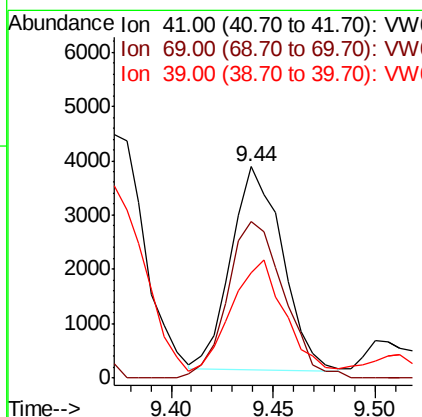
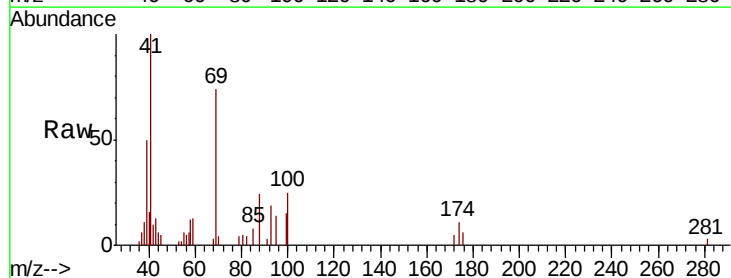
Manual Integrations
APPROVED

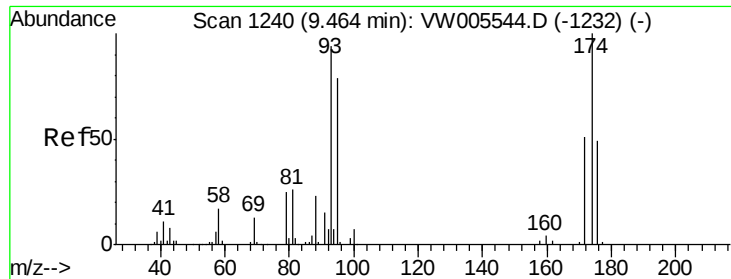
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#48
Methyl methacrylate
Concen: 5.069 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	6607		
69	83.5		64.7	97.1
39	63.5		50.5	75.7





#49

1,4-Dioxane

Concen: 107.987 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

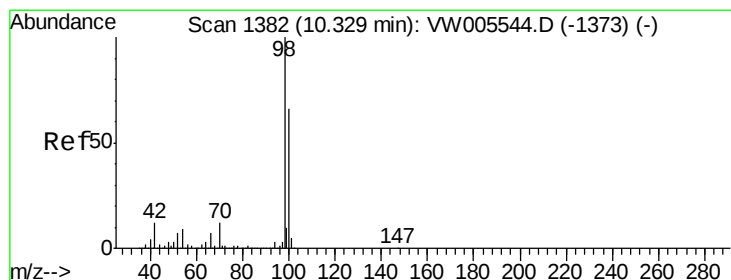
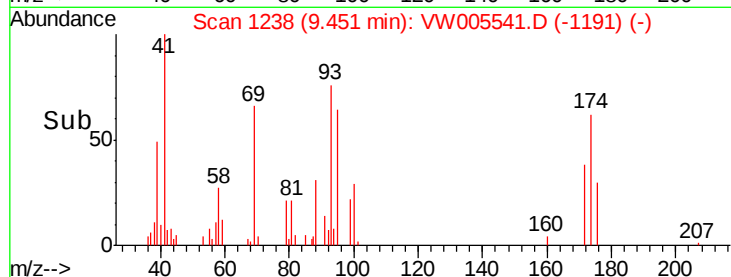
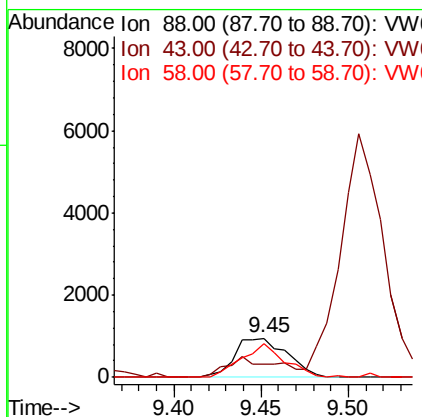
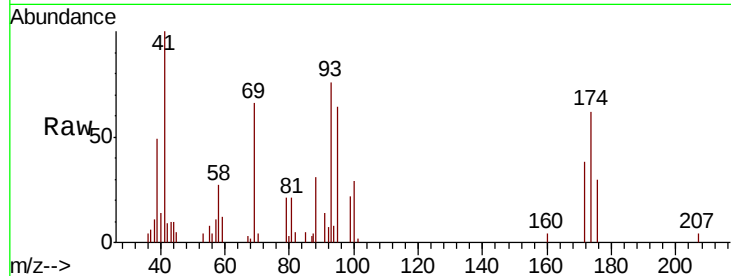
ClientSampleId :

VSTDIC005

Tot Ion	88	Resp	1994
Ion	Ratio	Lower	Upper
88	100		
43	52.8	0.0	0.0#
58	70.6	61.2	91.8

Manual Integrations
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#50

Toluene-d8

Concen: 4.682 ug/l

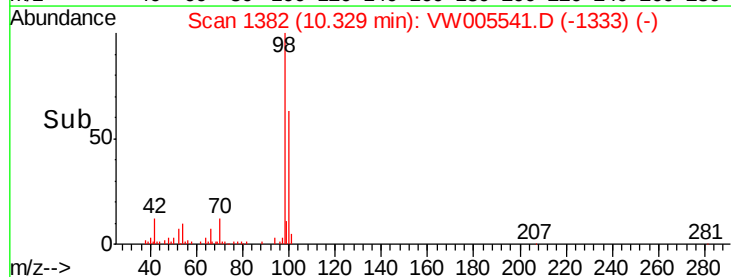
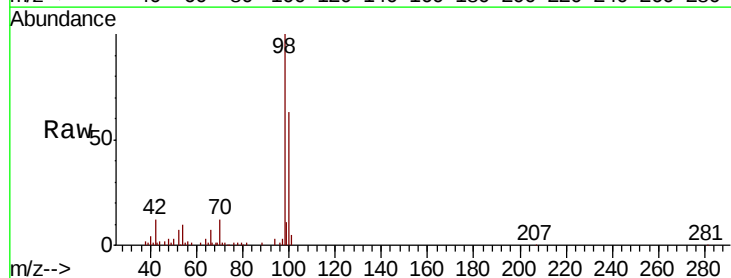
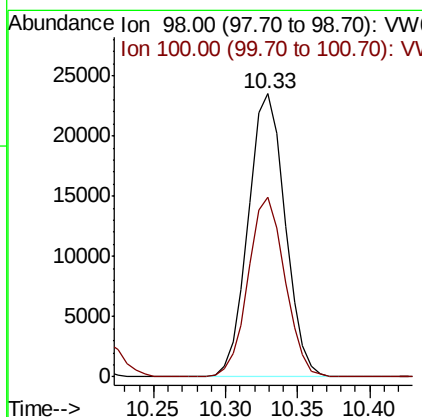
RT: 10.33 min Scan# 1382

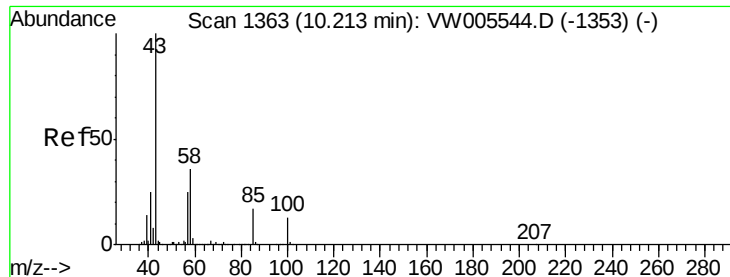
Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion	98	Resp	41646
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 26.437 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 35628

Ion Ratio Lower Upper

43 100

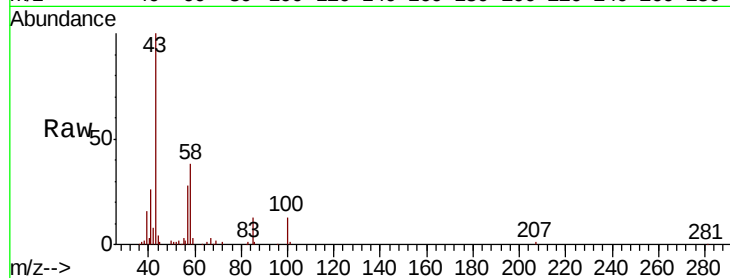
58 36.3 30.0 45.0

Manual Integrations

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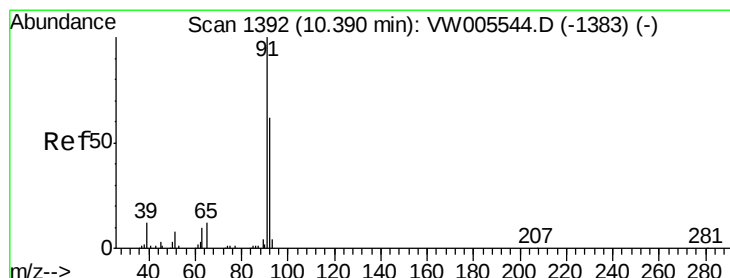
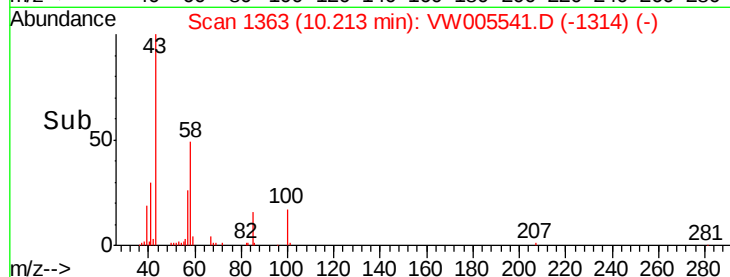
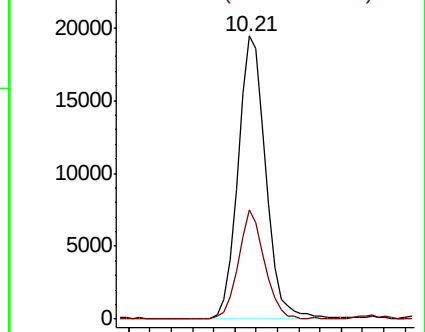
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 4.873 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005541.D

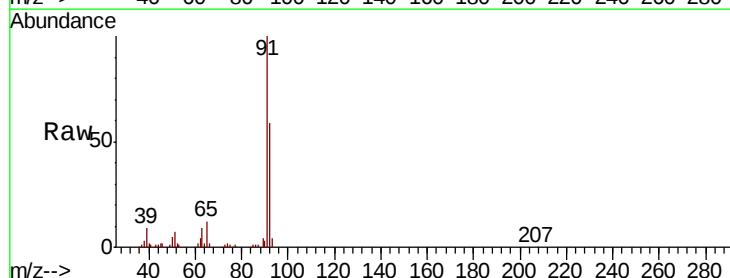
Acq: 20 Sep 2018 20:36

Tgt Ion: 92 Resp: 31040

Ion Ratio Lower Upper

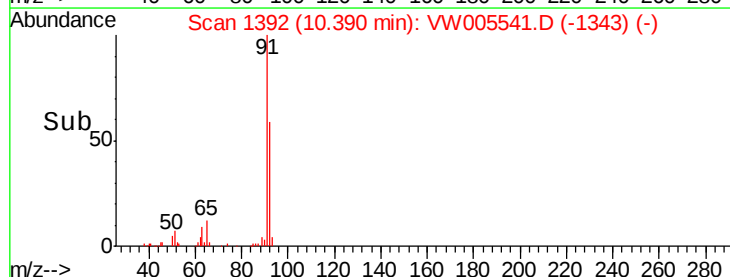
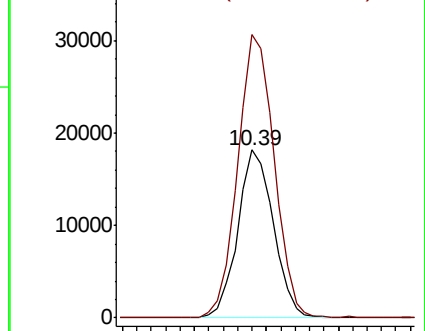
92 100

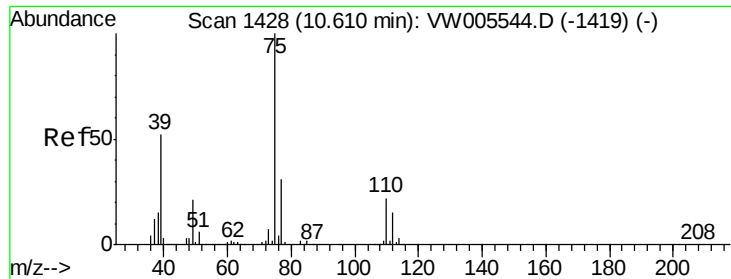
91 173.7 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 5.200 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 15977

Ion Ratio Lower Upper

75 100

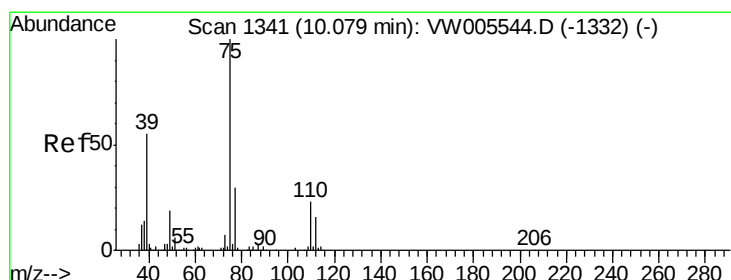
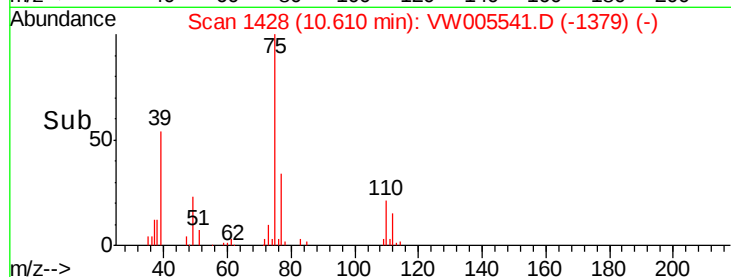
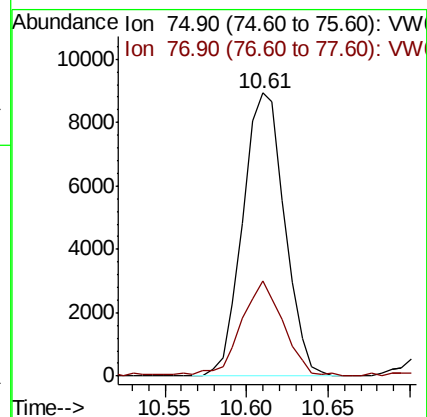
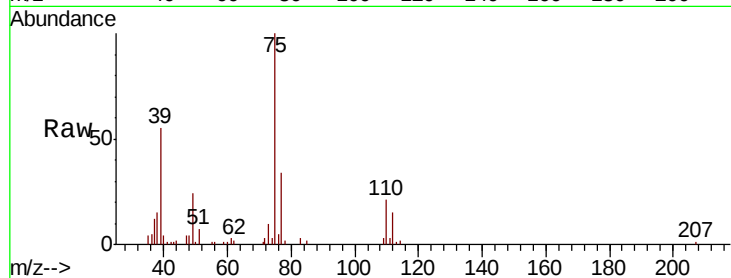
77 33.6 24.6 37.0

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#54

cis-1,3-Dichloropropene

Concen: 5.068 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

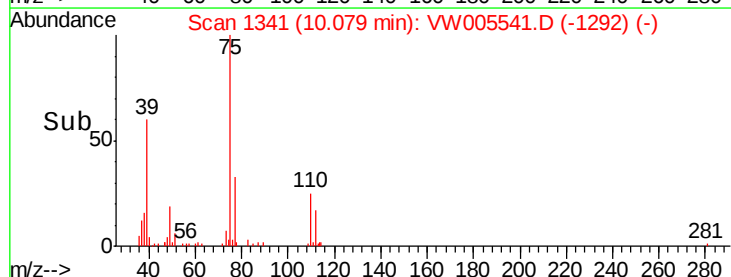
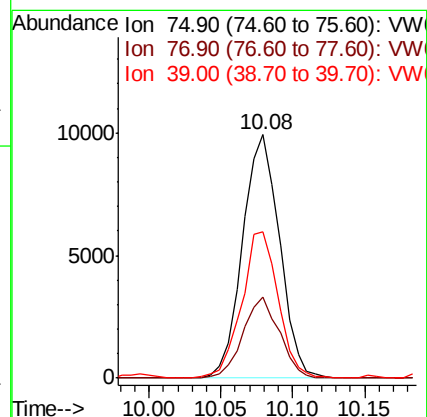
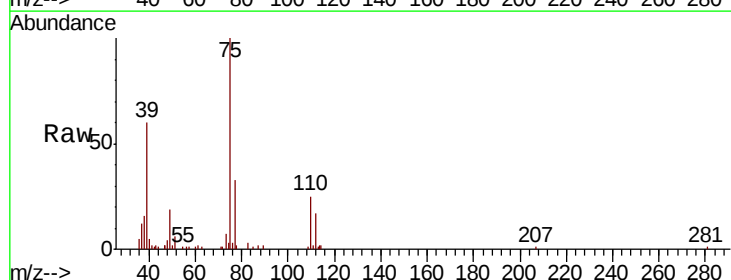
Tgt Ion: 75 Resp: 17622

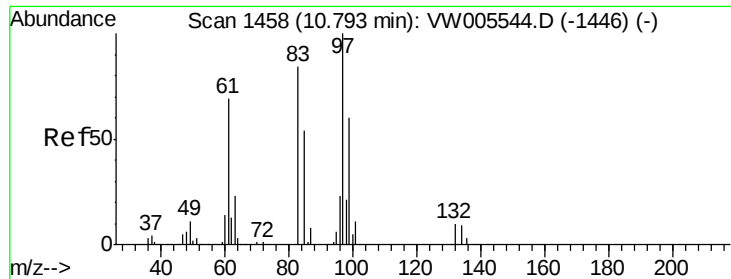
Ion Ratio Lower Upper

75 100

77 33.2 24.3 36.5

39 60.0 43.7 65.5





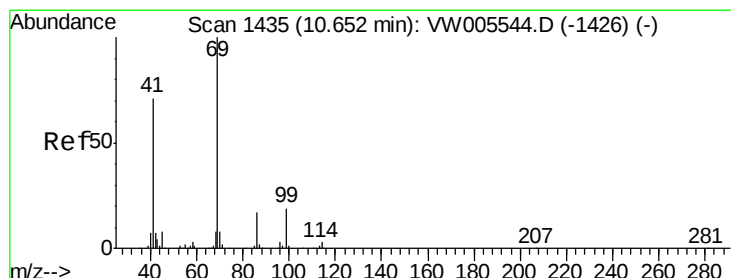
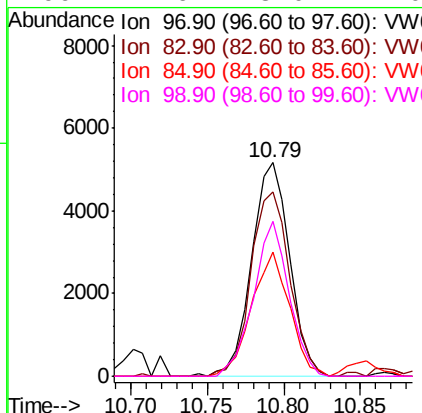
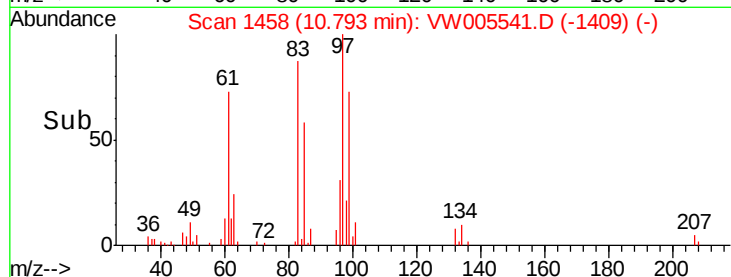
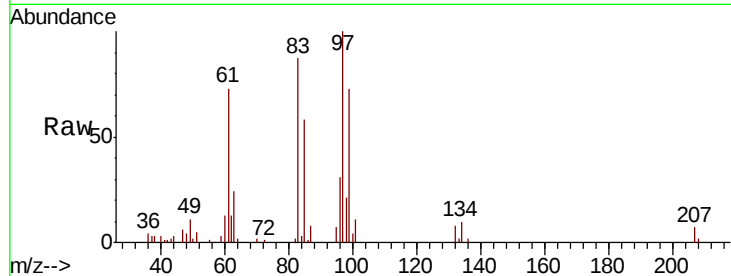
#55
 1,1,2-Trichloroethane
 Concen: 5.318 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.4	101.2
85	57.9	43.3	64.9
99	72.6	48.0	72.0#

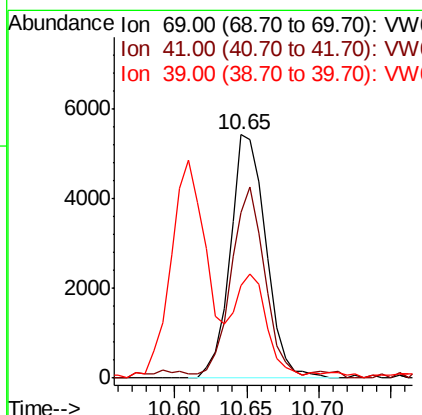
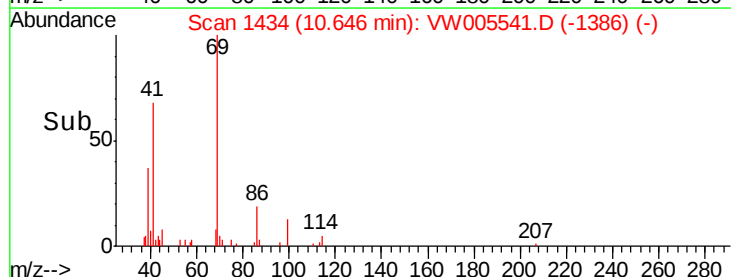
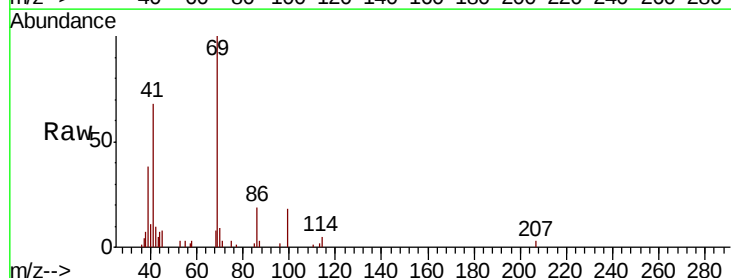
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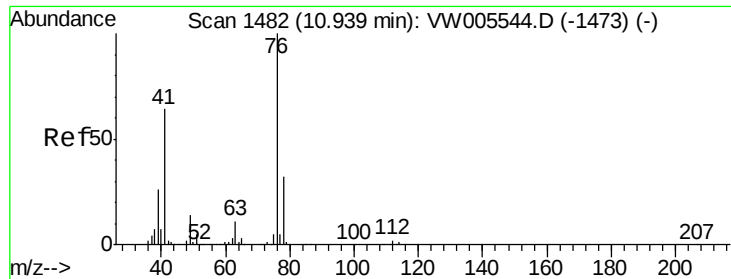
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#56
 Ethyl methacrylate
 Concen: 4.468 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.3	85.9
39	36.6	29.2	43.8





#57

1,3-Dichloropropane

Concen: 5.549 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 16035

Ion Ratio Lower Upper

76 100

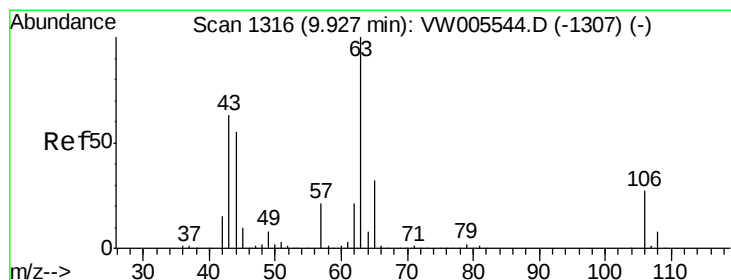
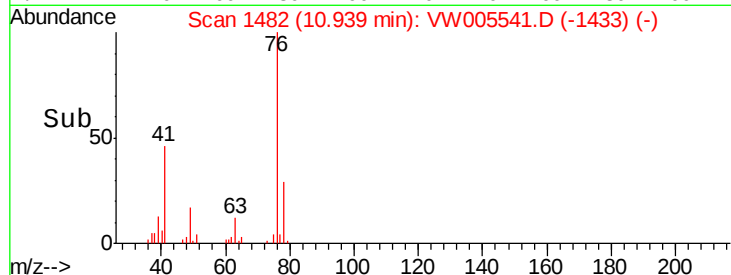
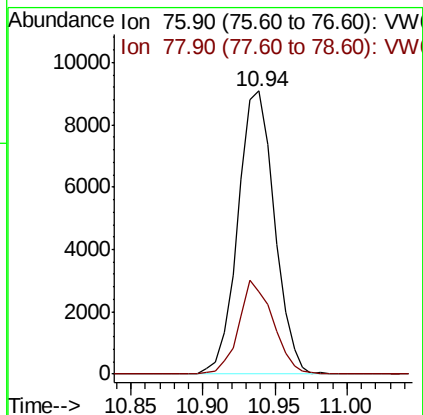
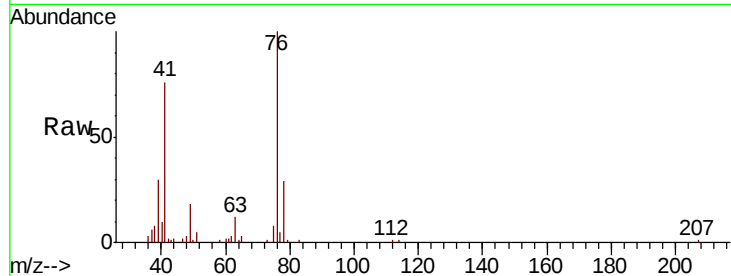
78 31.0 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 22.638 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW005541.D

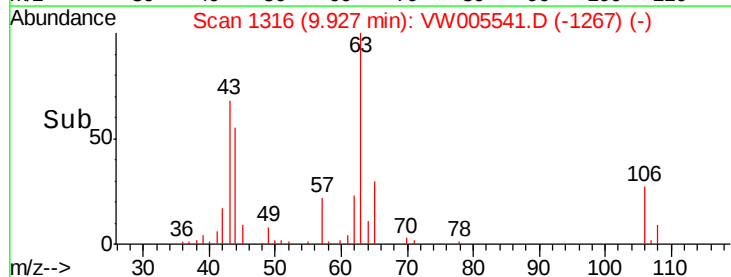
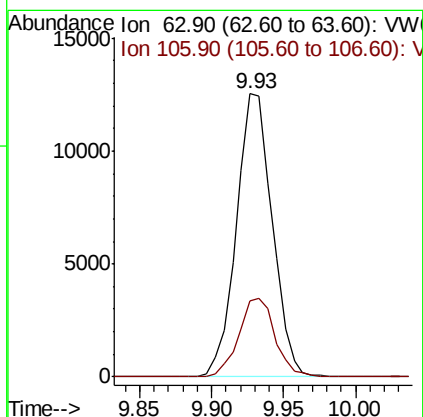
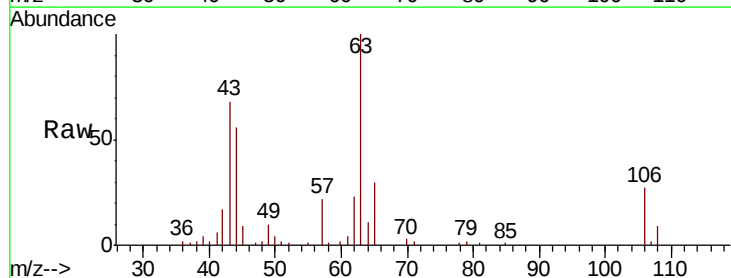
Acq: 20 Sep 2018 20:36

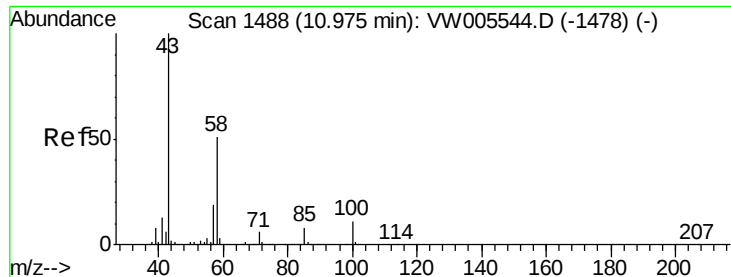
Tgt Ion: 63 Resp: 21619

Ion Ratio Lower Upper

63 100

106 27.8 21.6 32.4





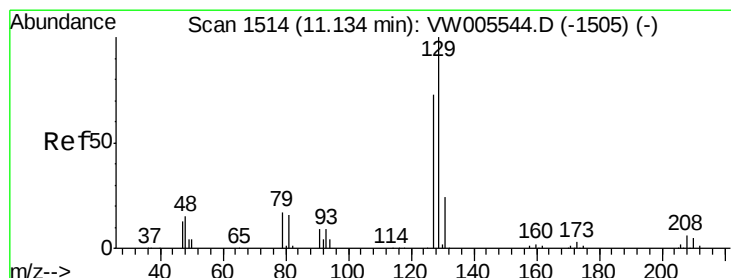
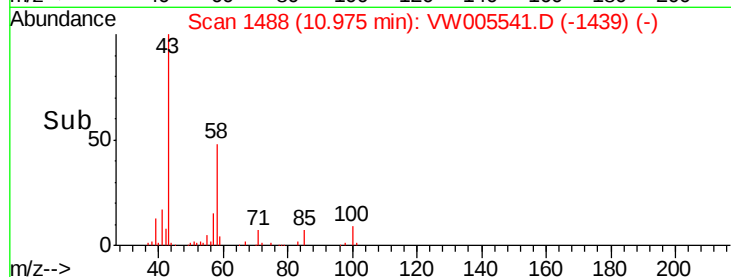
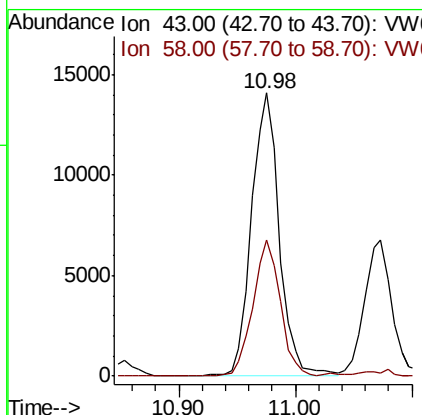
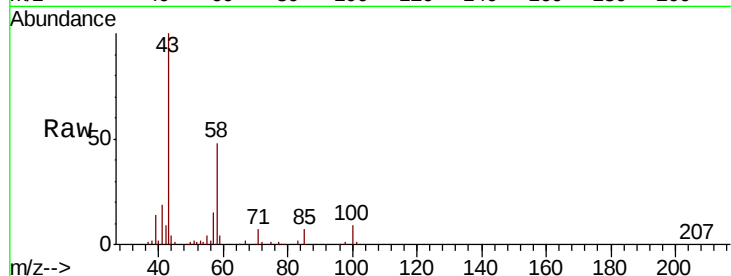
#59
2-Hexanone
Concen: 25.663 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 23470
Ion Ratio Lower Upper
43 100
58 47.1 25.3 75.9

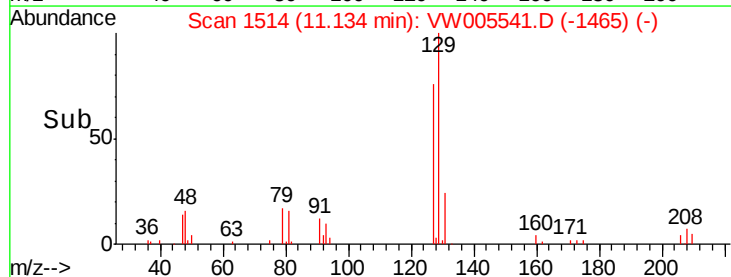
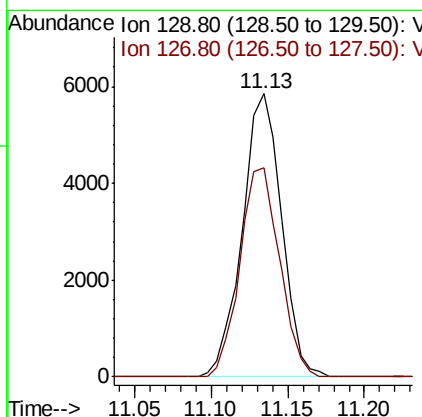
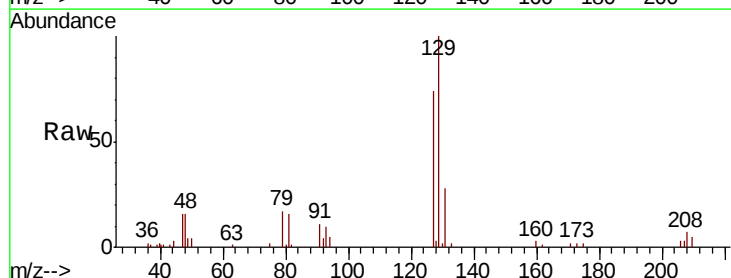
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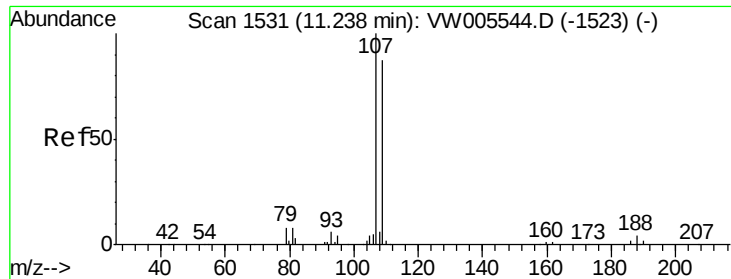
apatel
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#60
Dibromochloromethane
Concen: 5.193 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 129 Resp: 10465
Ion Ratio Lower Upper
129 100
127 74.7 38.5 115.5





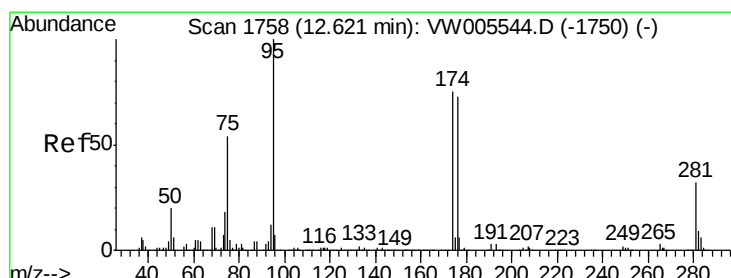
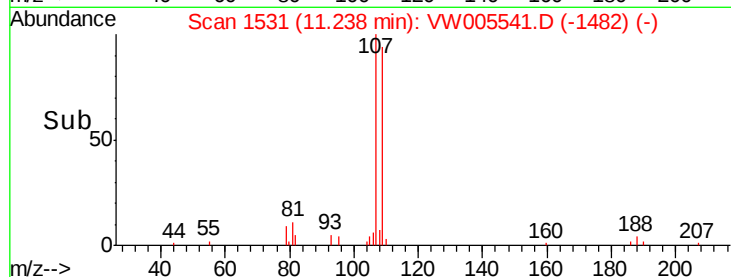
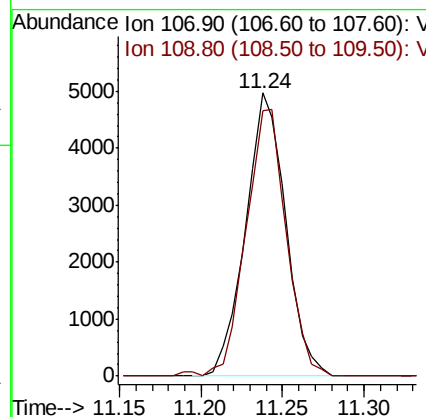
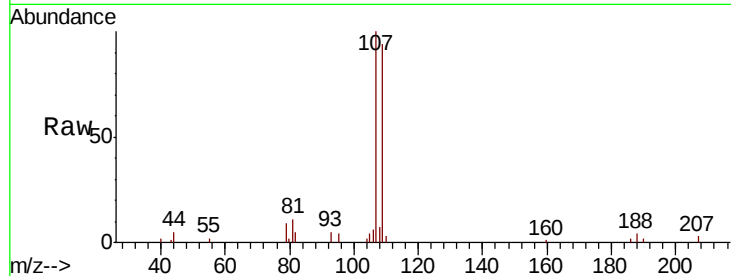
#61
 1,2-Dibromoethane
 Concen: 5.641 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	73.4	110.0

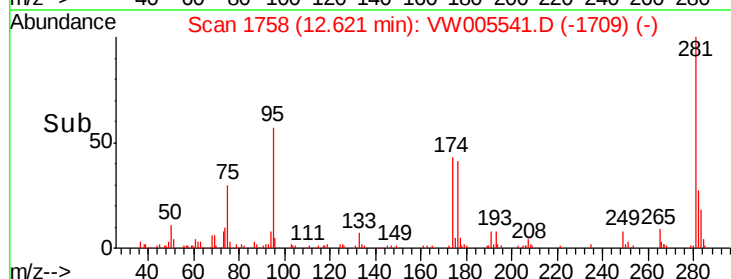
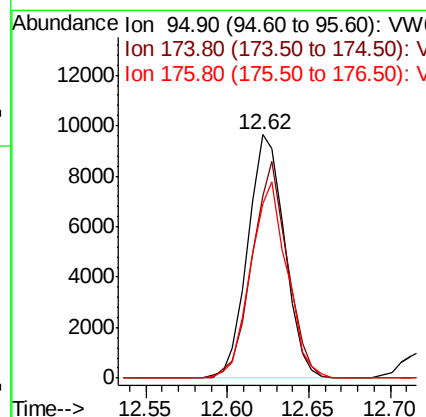
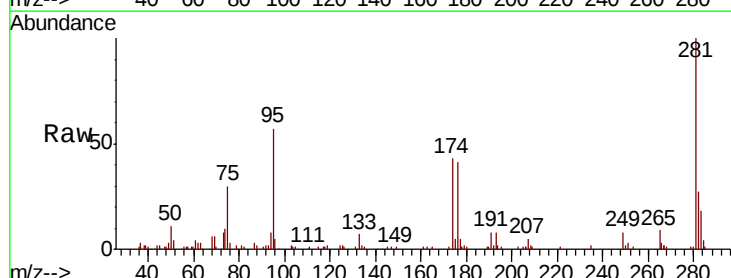
Manual Integrations
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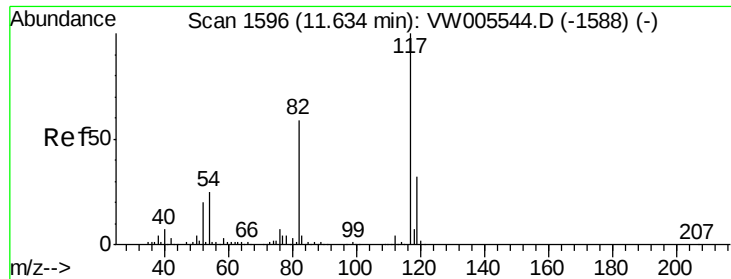
apatel
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#62
 4-Bromofluorobenzene
 Concen: 4.655 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	163.8
176	80.1	0.0	158.0





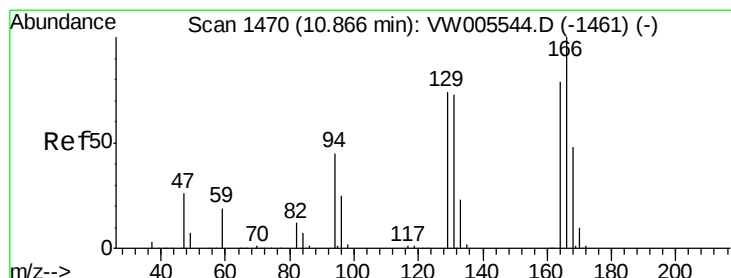
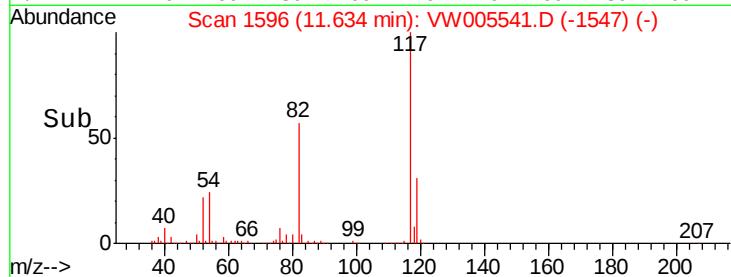
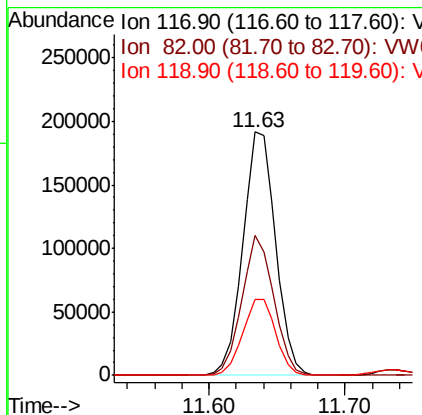
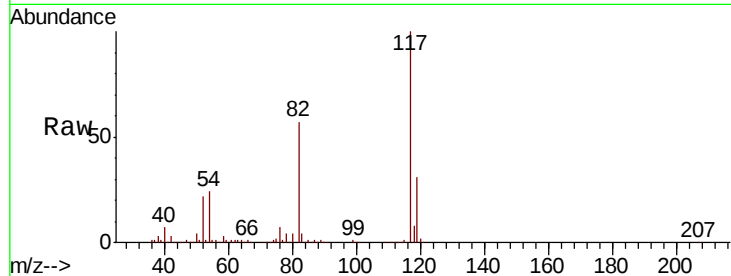
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	322232		
82	57.3		46.9	70.3
119	31.3		25.7	38.5

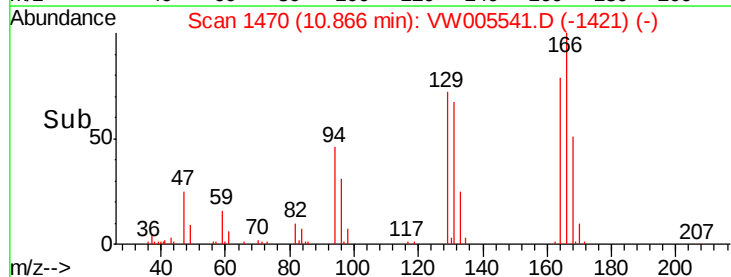
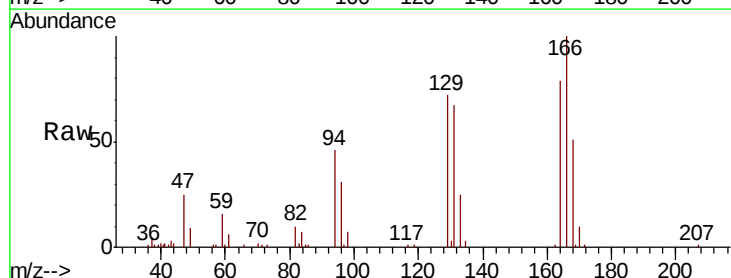
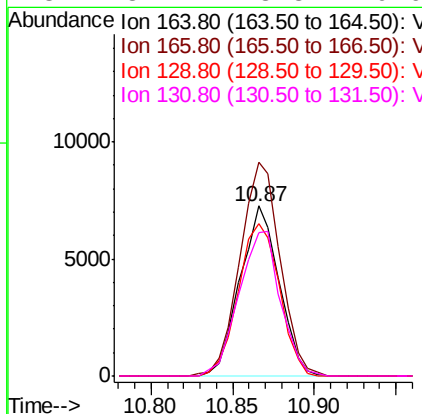
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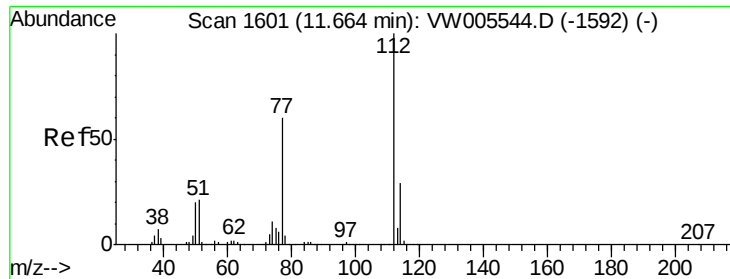
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#64
Tetrachloroethene
Concen: 5.133 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	12154		
166	125.8		101.1	151.7
129	90.0		74.4	111.6
131	84.4		73.8	110.6





#65

Chlorobenzene

Concen: 5.132 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 35274

Ion Ratio Lower Upper

112 100

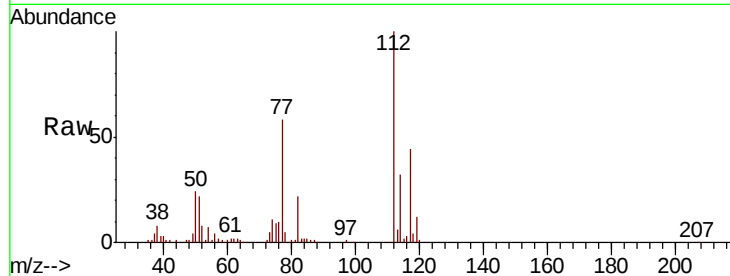
114 31.6 22.9 34.3

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

25000

20000

15000

10000

5000

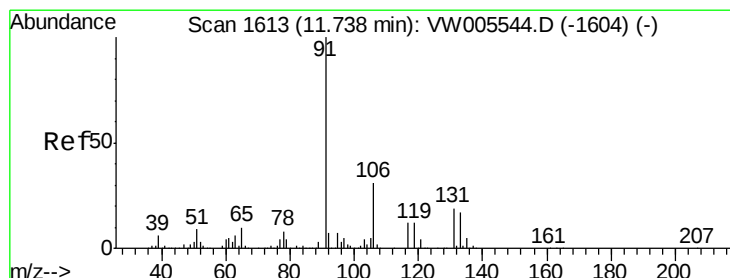
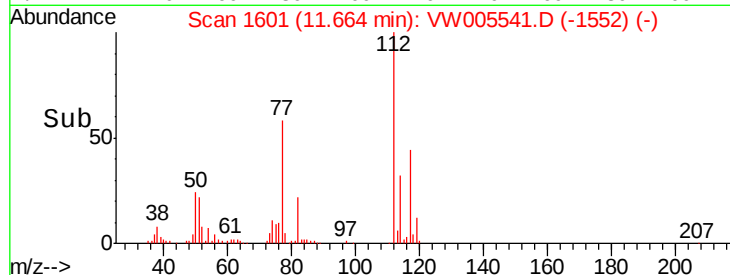
0

11.66

11.60

11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 5.491 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

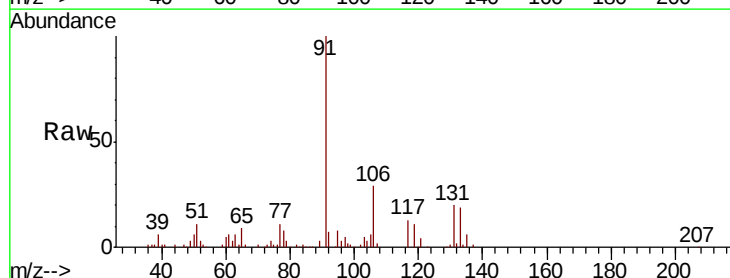
Tgt Ion:131 Resp: 12334

Ion Ratio Lower Upper

131 100

133 97.5 47.2 141.6

119 63.9 31.1 93.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

30000

25000

20000

15000

10000

5000

0

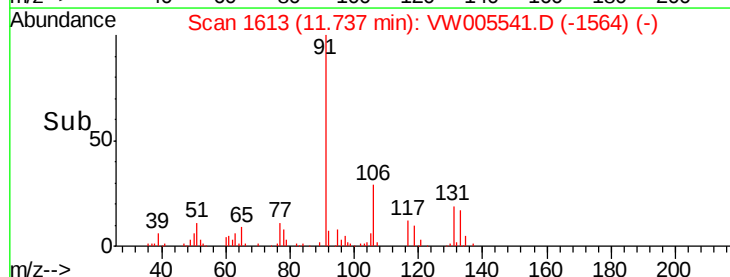
11.74

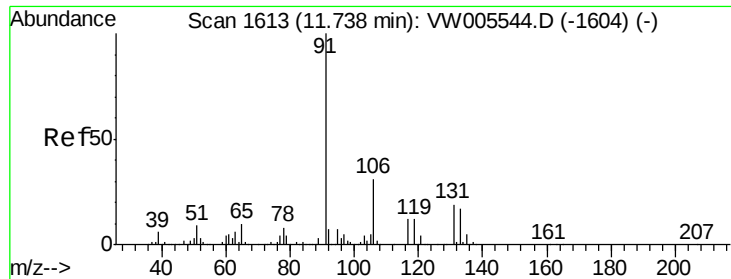
11.70

11.75

11.80

Time-->





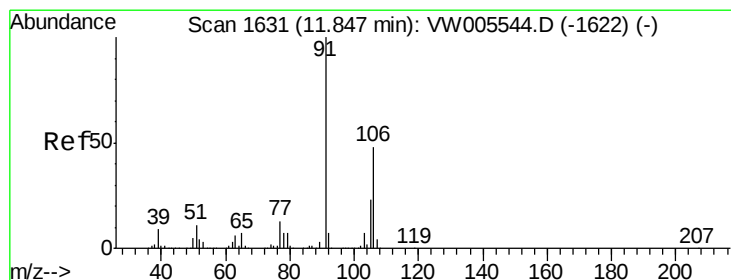
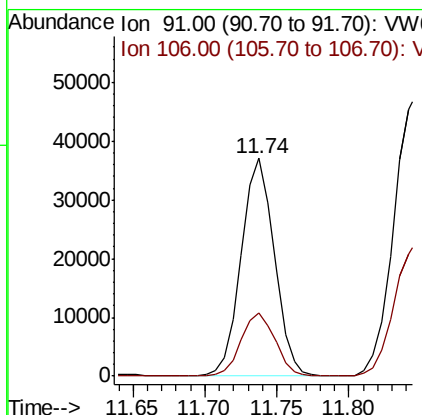
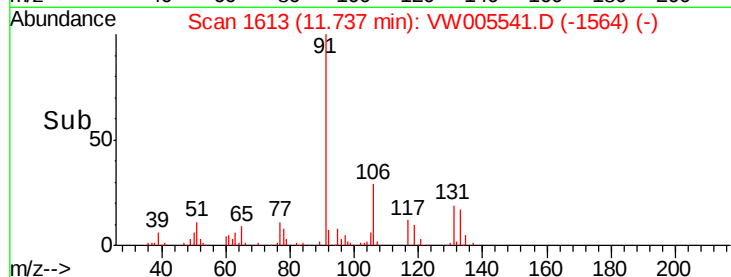
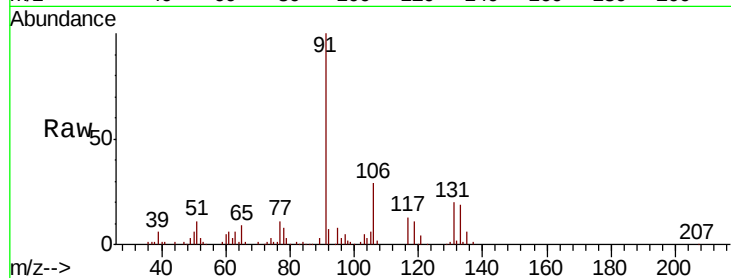
#67
Ethyl Benzene
Concen: 4.905 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 59297
Ion Ratio Lower Upper
91 100
106 28.8 24.4 36.6

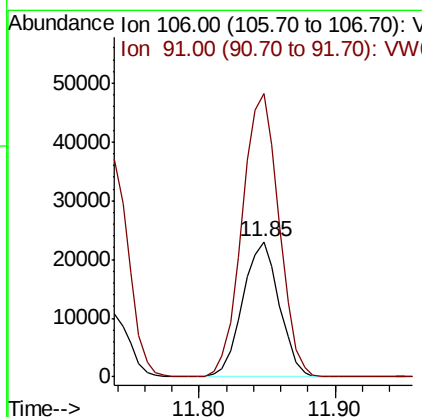
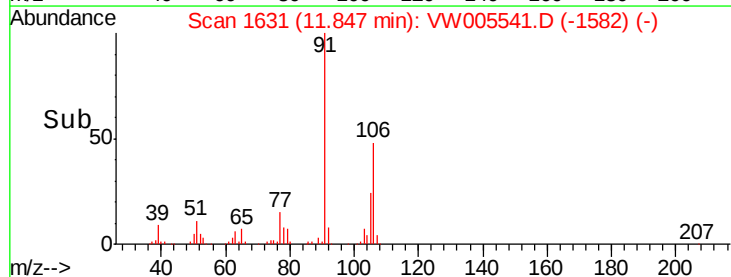
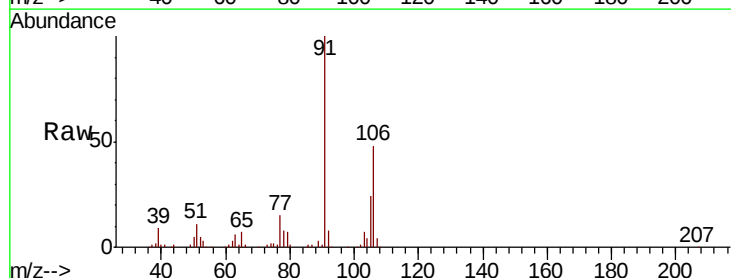
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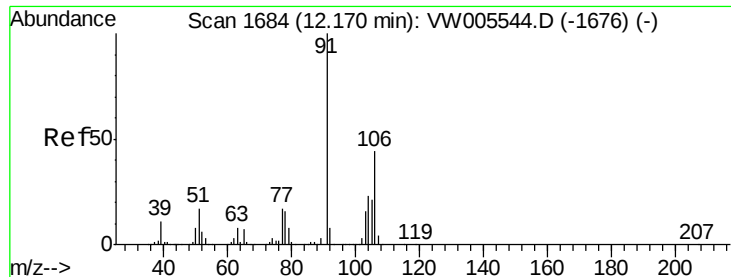
apatel
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#68
m/p-Xylenes
Concen: 9.304 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion: 106 Resp: 43195
Ion Ratio Lower Upper
106 100
91 210.9 167.8 251.8





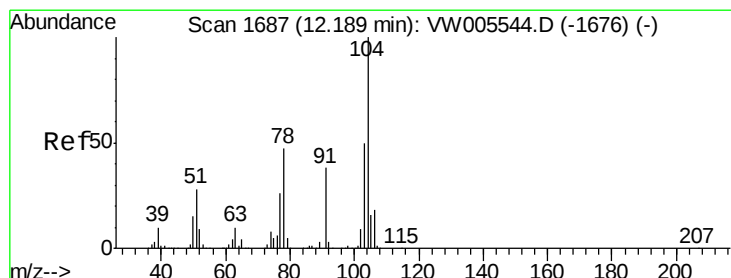
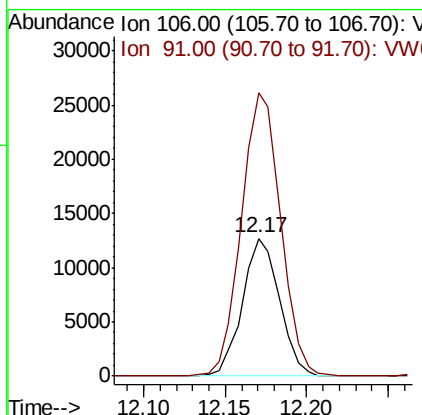
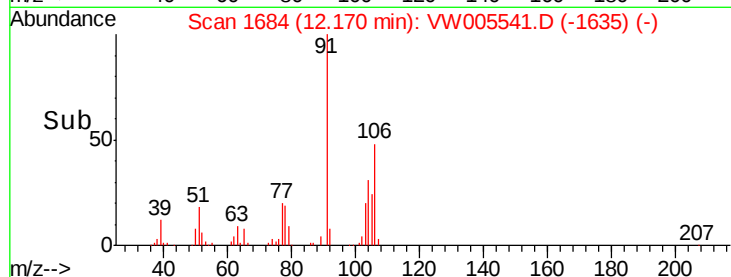
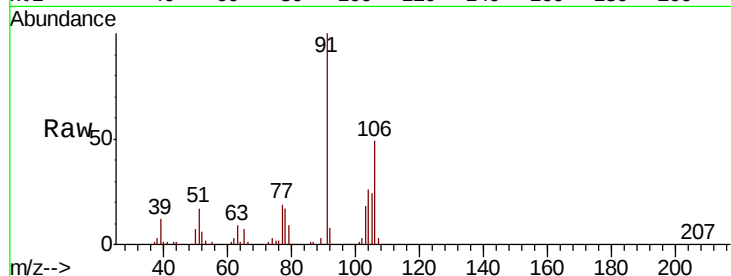
#69
o-Xylene
Concen: 4.650 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 20097
Ion Ratio Lower Upper
106 100
91 217.6 111.0 333.0

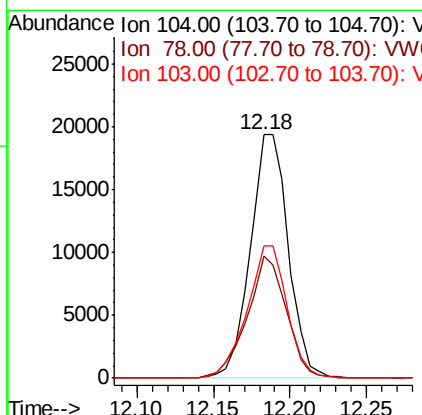
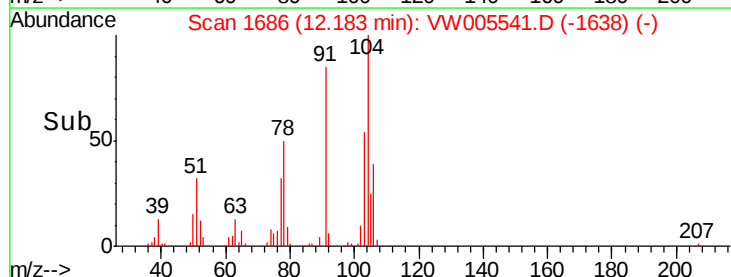
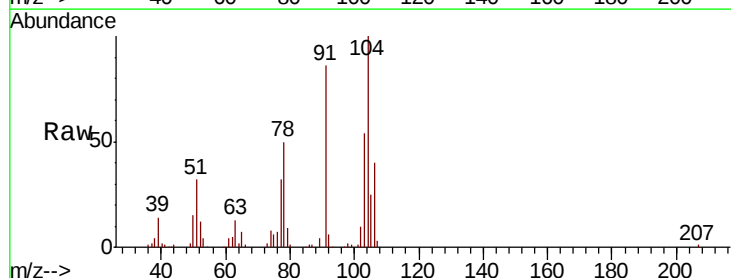
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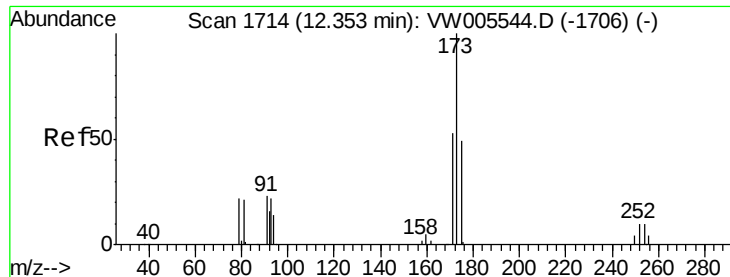
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#70
Styrene
Concen: 4.659 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion:104 Resp: 33360
Ion Ratio Lower Upper
104 100
78 51.7 42.2 63.4
103 57.3 44.6 66.8





#71

Bromoform

Concen: 5.456 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

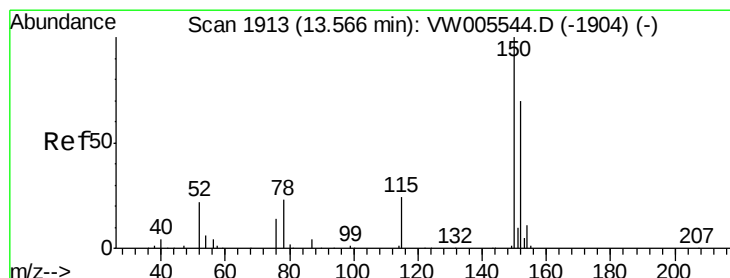
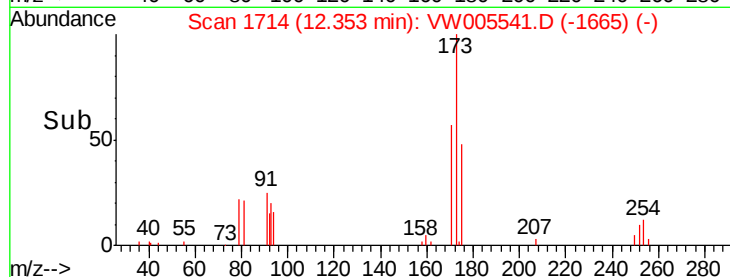
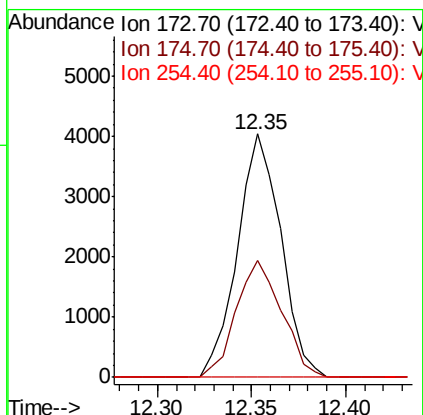
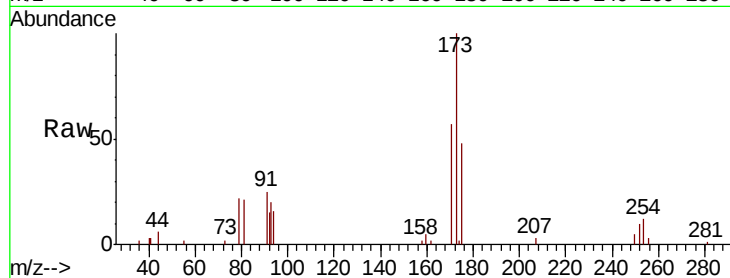
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.3	72.9
254	0.0	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

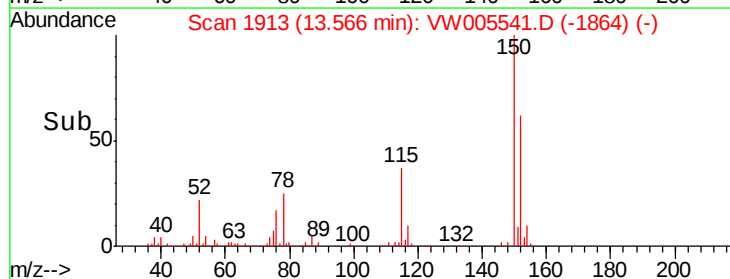
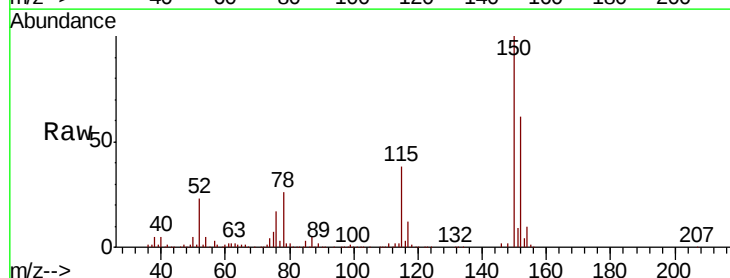
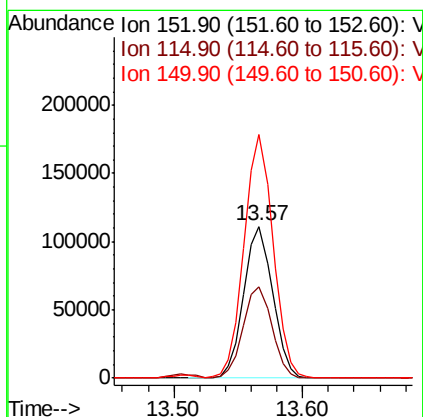
RT: 13.57 min Scan# 1913

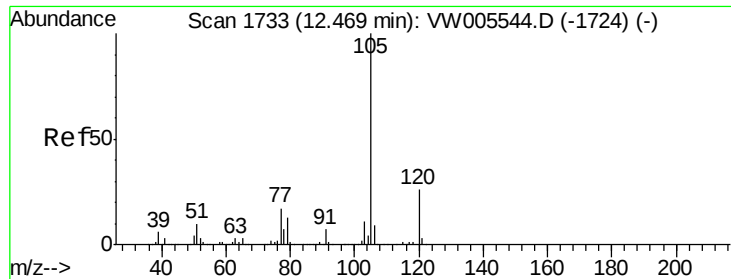
Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.0	90.0
150	160.8	0.0	348.6





#73

Isopropylbenzene

Concen: 4.644 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 56456

Ion Ratio Lower Upper

105 100

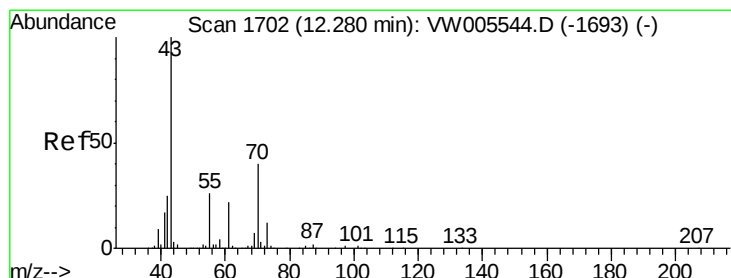
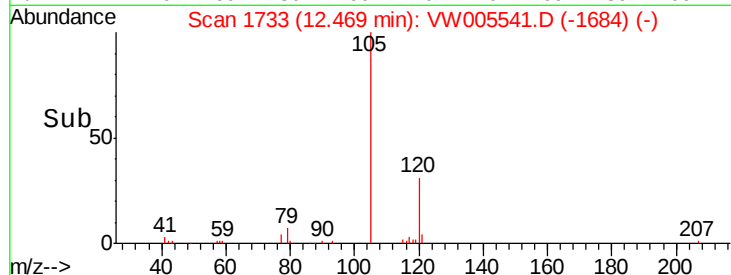
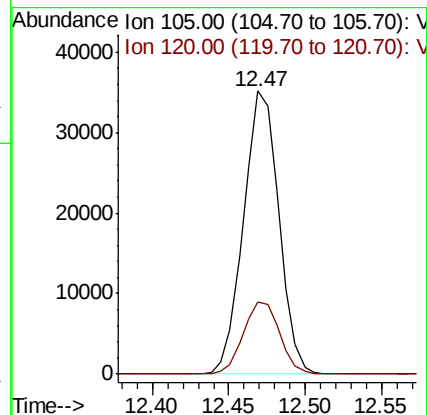
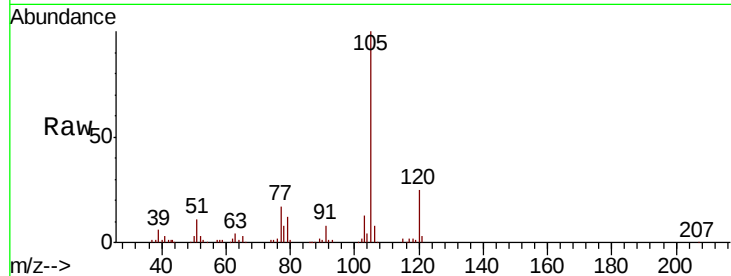
120 26.1 12.9 38.7

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#74

N-ethyl acetate

Concen: 4.985 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion: 43 Resp: 12848

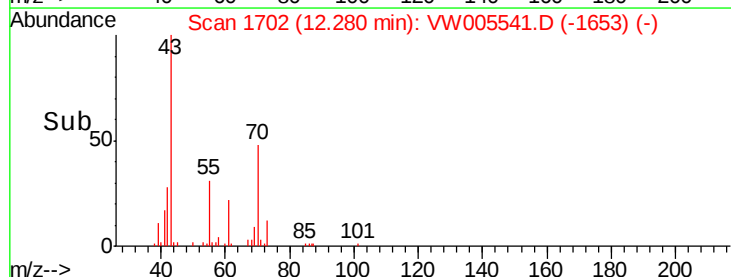
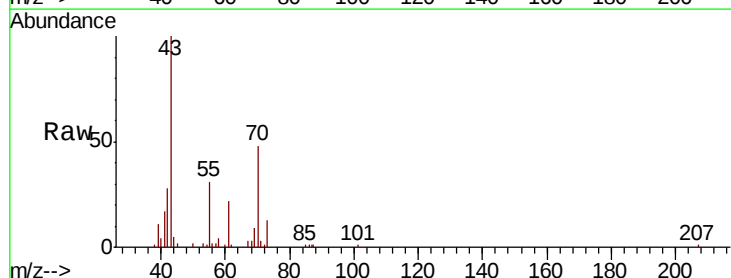
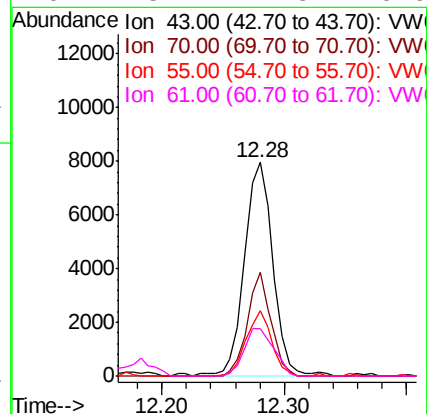
Ion Ratio Lower Upper

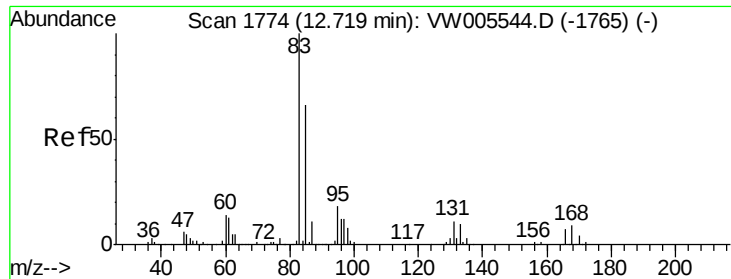
43 100

70 39.8 31.4 47.0

55 27.1 20.9 31.3

61 23.2 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.820 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

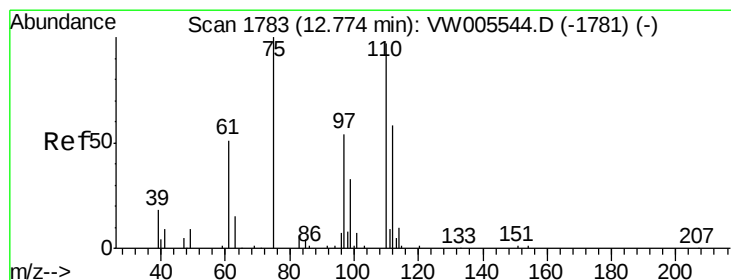
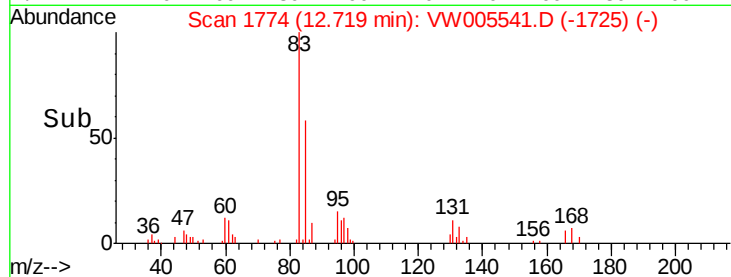
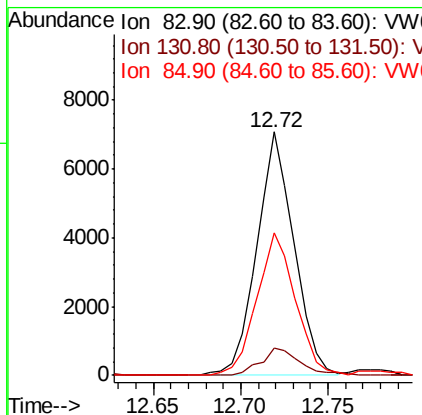
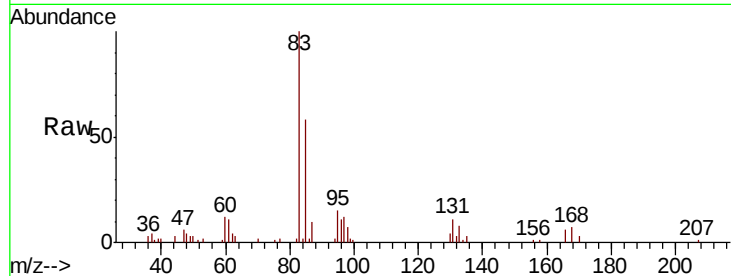
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	10534
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.5	16.7
85	60.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.117 ug/l m

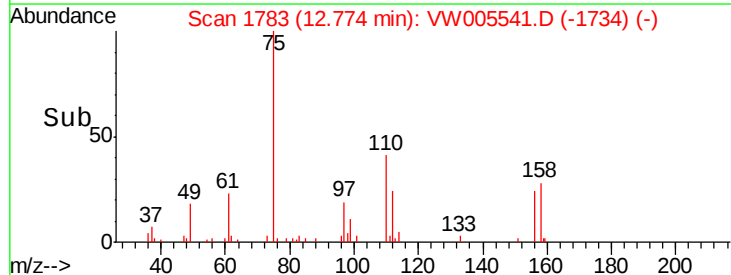
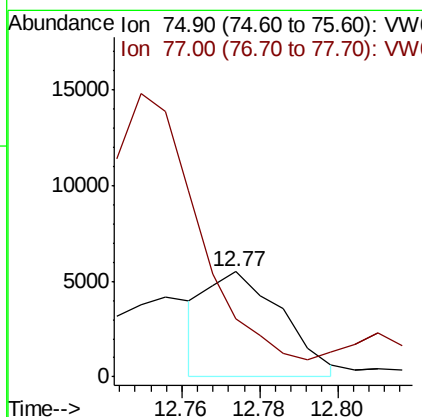
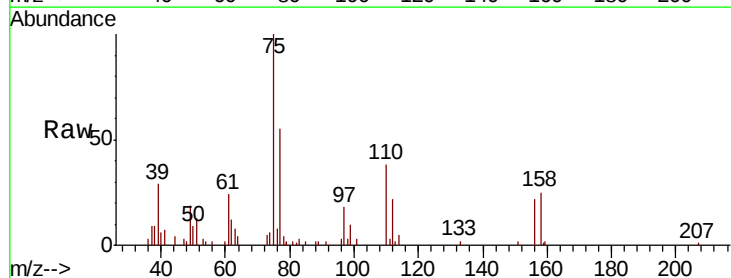
RT: 12.77 min Scan# 1783

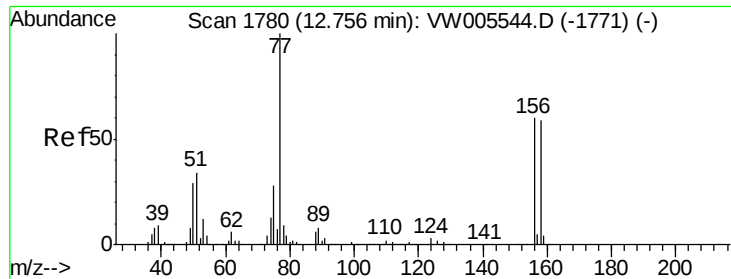
Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion:	75	Resp:	7359
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.210 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

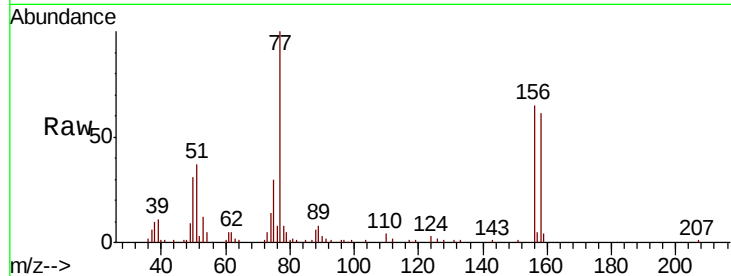
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	176.6	94.7	284.1	
158	93.6	48.0	144.2	

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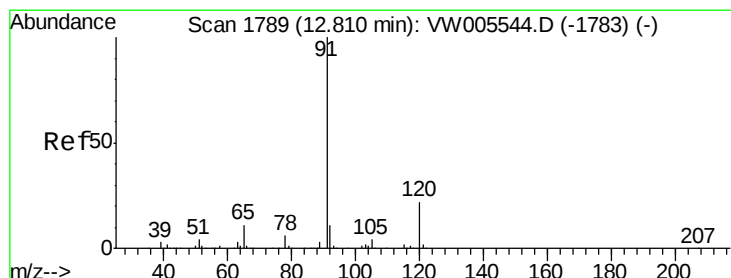
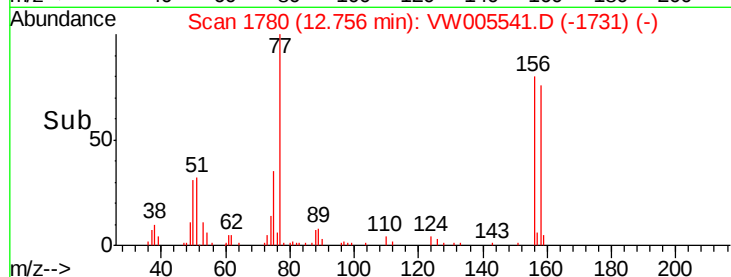
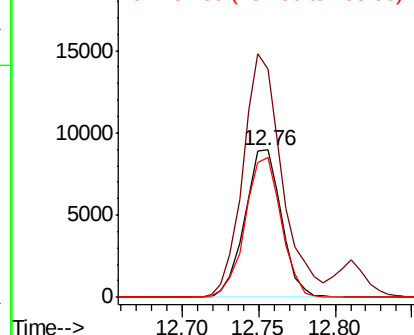


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.677 ug/l

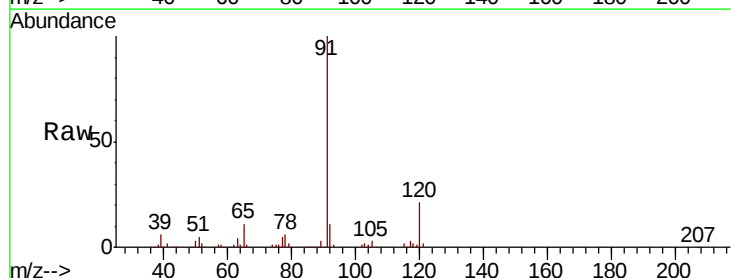
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

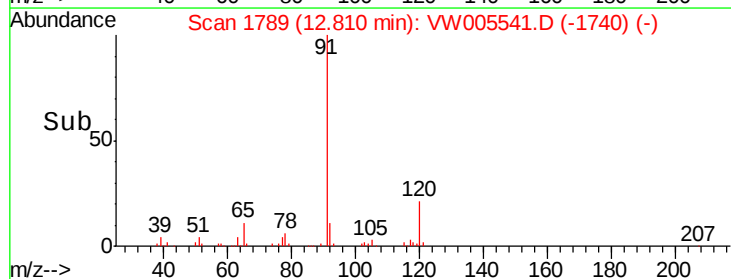
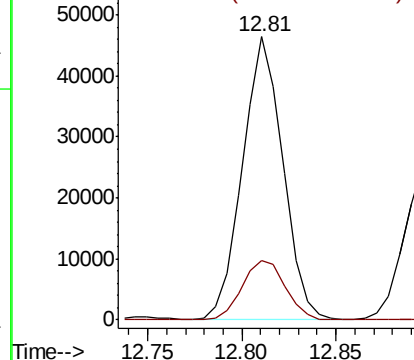
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.6	11.2	33.5	

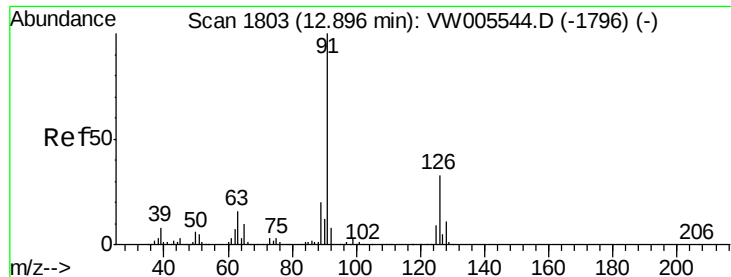


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.708 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 40588

Ion Ratio Lower Upper

91 100

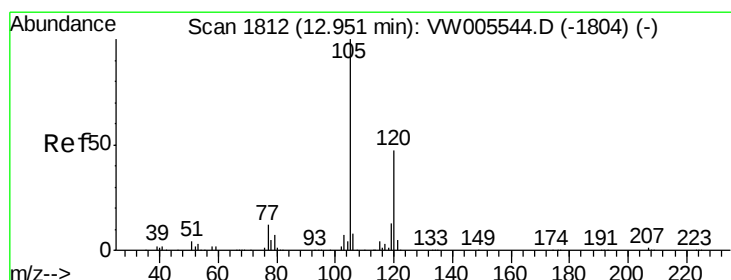
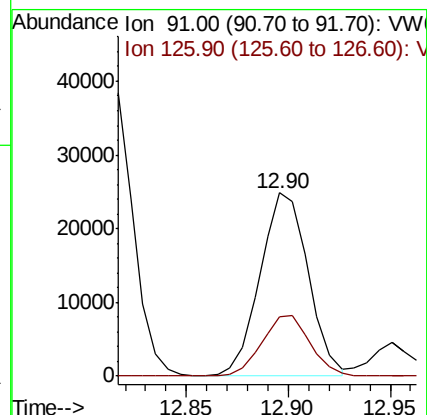
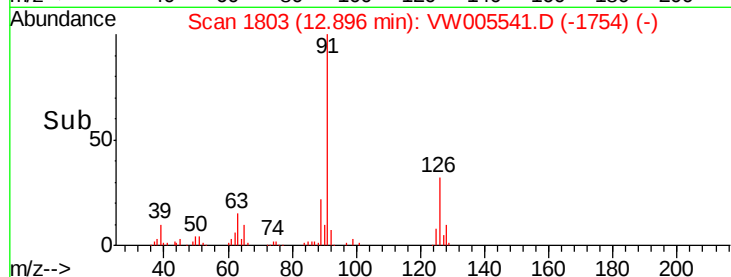
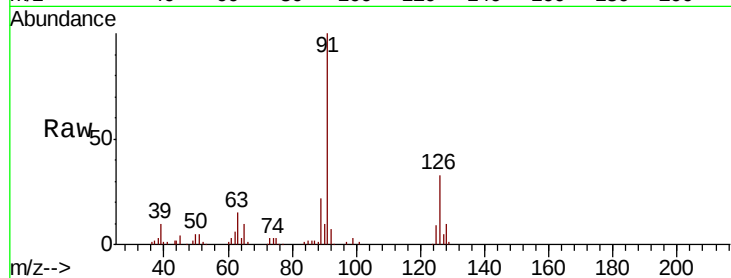
126 33.7 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 4.556 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005541.D

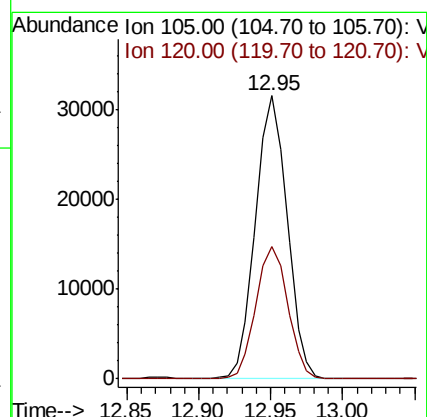
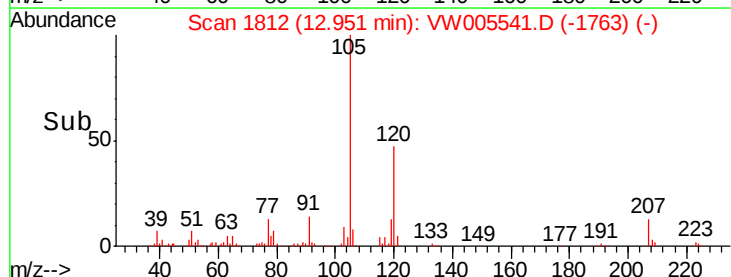
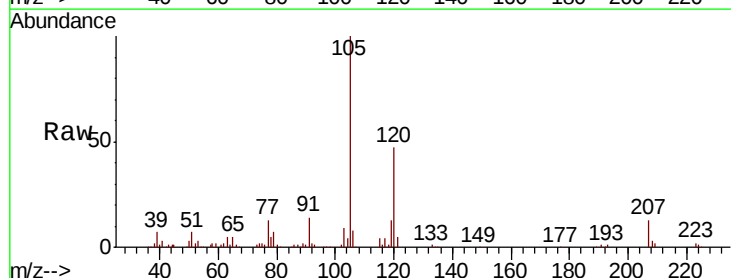
Acq: 20 Sep 2018 20:36

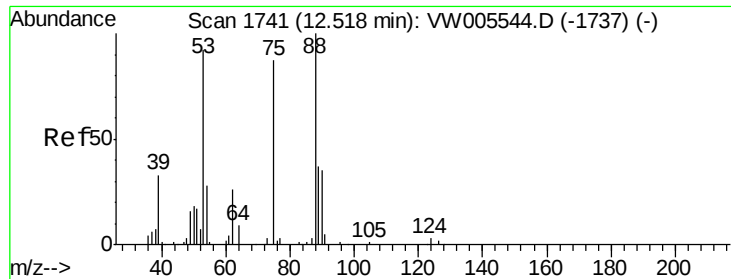
Tgt Ion:105 Resp: 48178

Ion Ratio Lower Upper

105 100

120 47.0 23.6 70.8





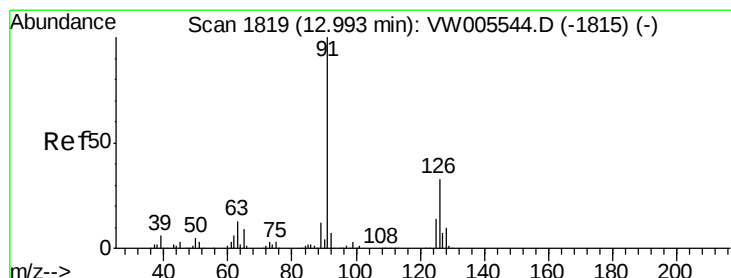
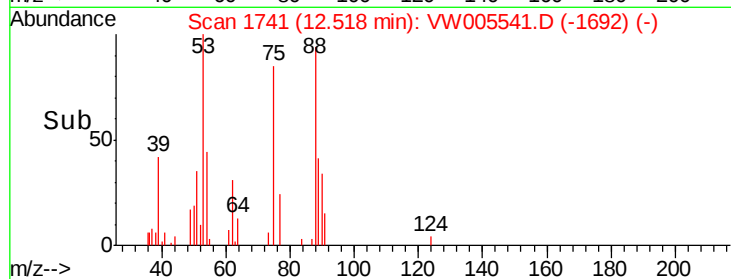
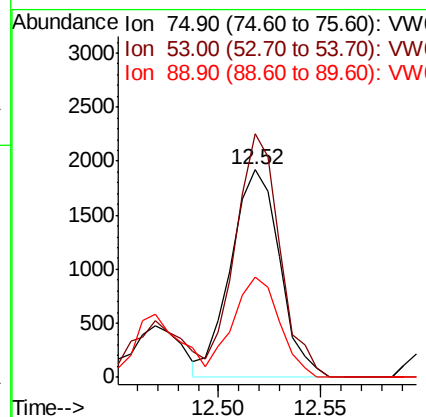
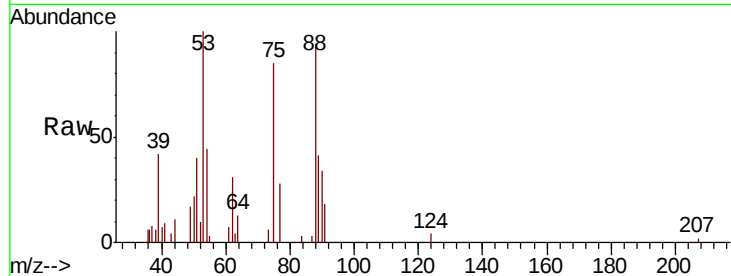
#81
trans-1,4-Dichloro-2-butene
Concen: 5.663 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.5	85.8	128.6
89	46.3	37.3	55.9

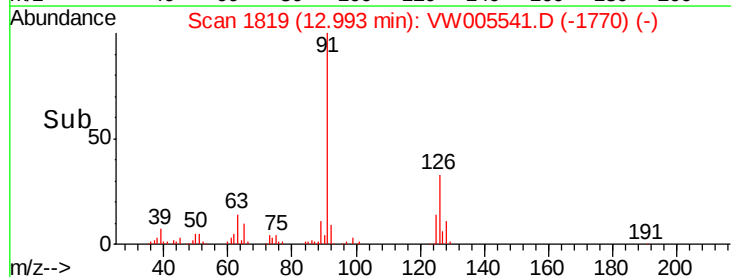
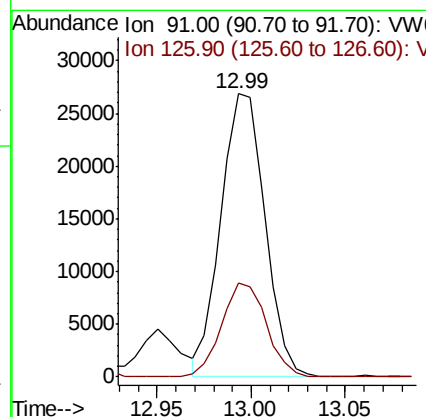
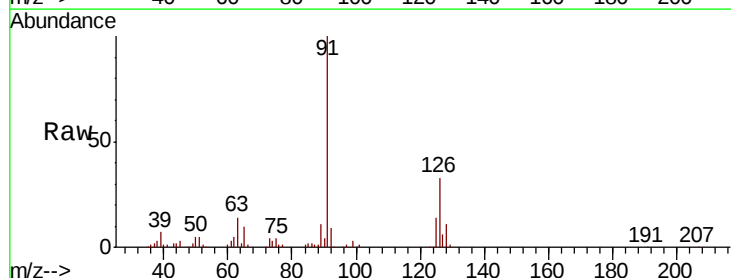
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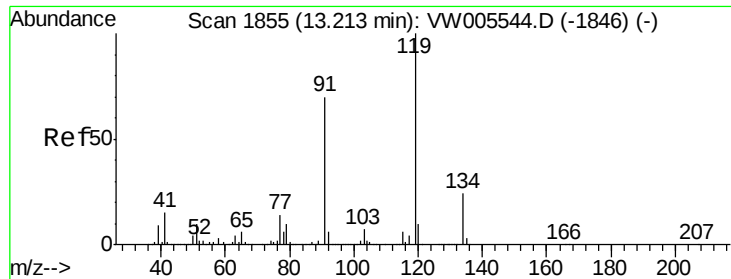
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#82
4-Chlorotoluene
Concen: 4.764 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.4





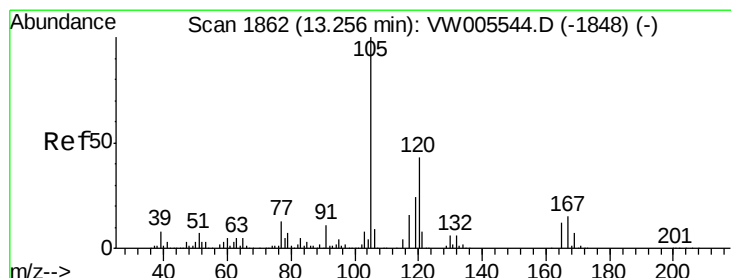
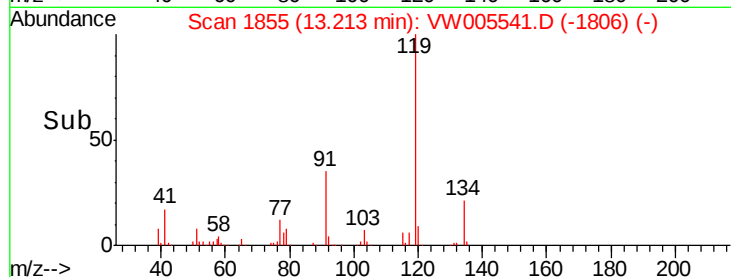
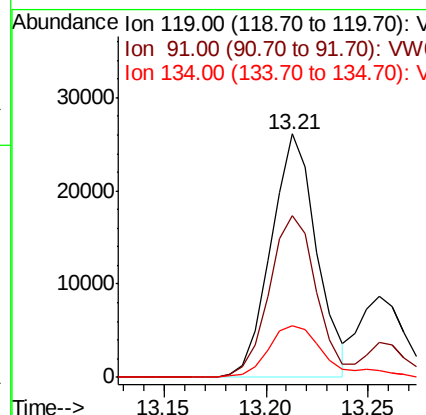
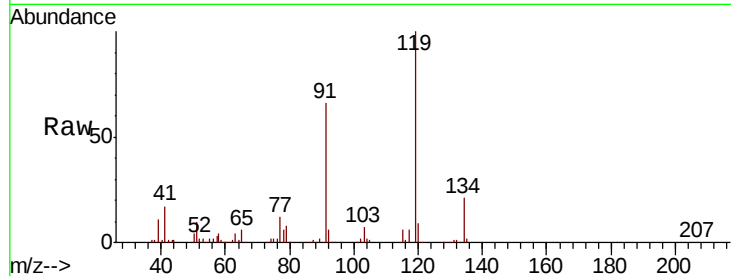
#83
tert-Butylbenzene
Concen: 4.636 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	34.6	103.8
134	26.2	12.6	37.6

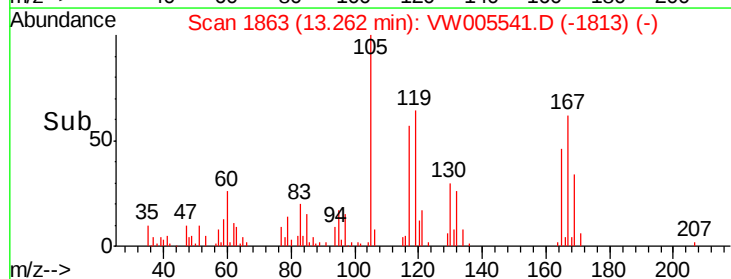
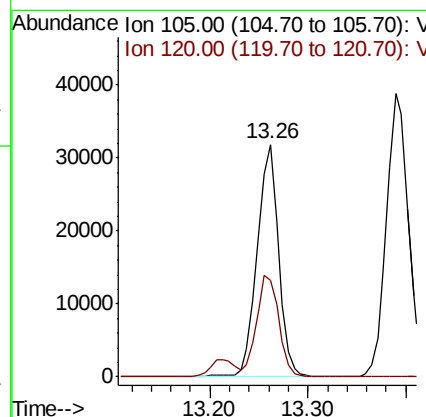
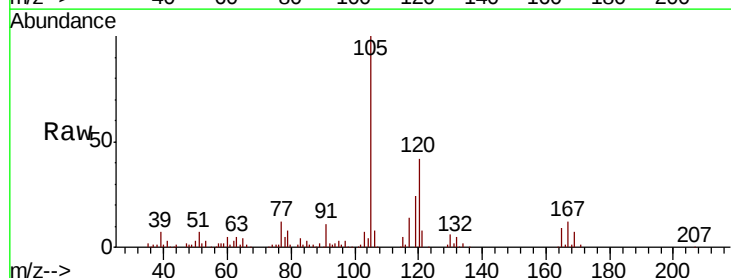
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#84
1,2,4-Trimethylbenzene
Concen: 4.511 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	21.5	64.5





#85

sec-Butylbenzene

Concen: 4.736 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 60200

Ion Ratio Lower Upper

105 100

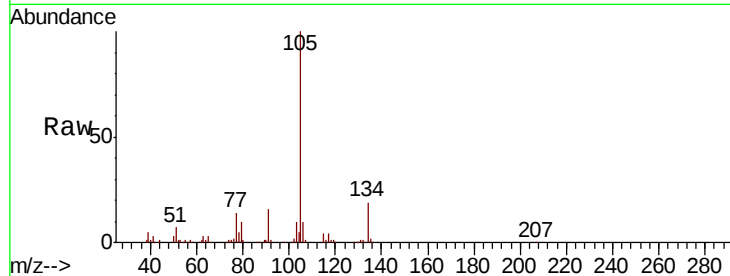
134 19.8 9.8 29.5

Manual Integrations

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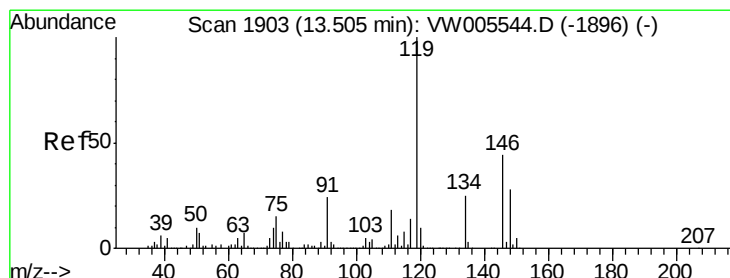
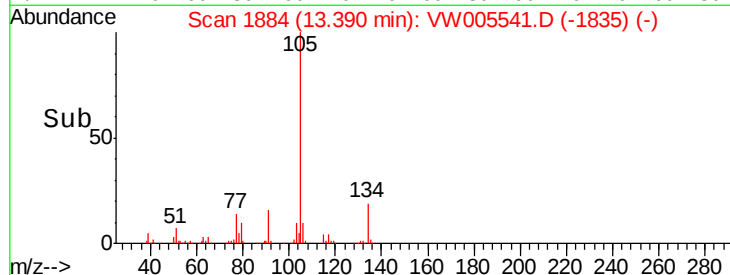
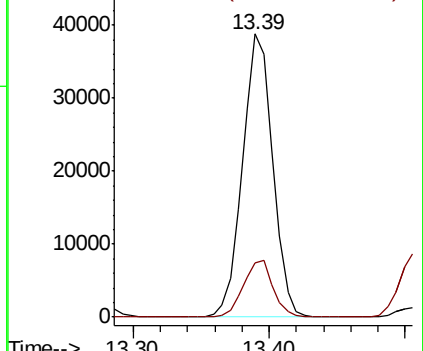
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.603 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

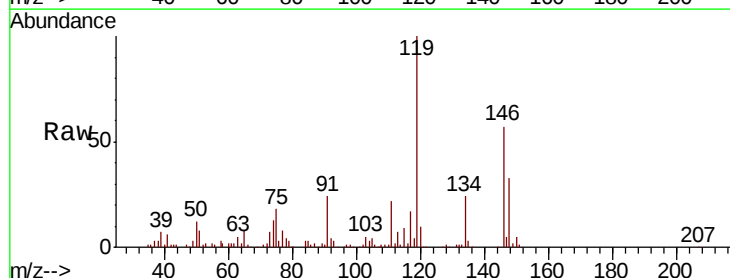
Tgt Ion:119 Resp: 52347

Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

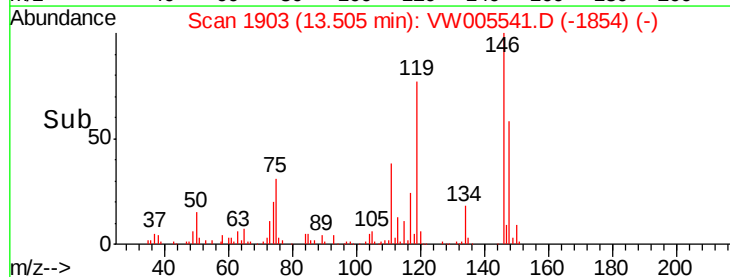
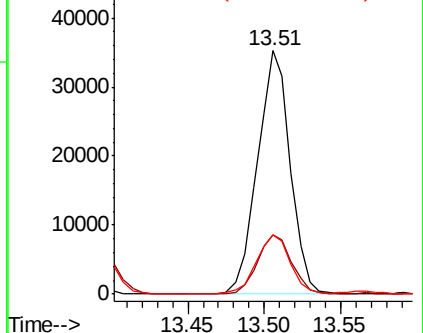
91 25.2 12.2 36.4

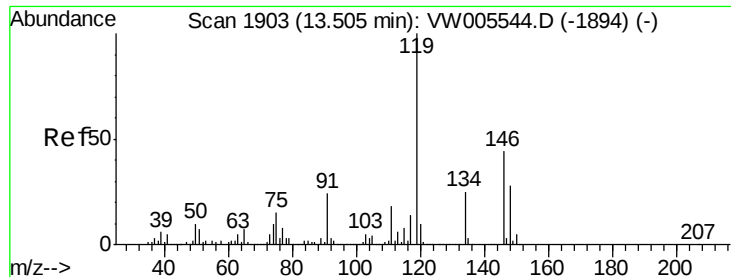


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.167 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

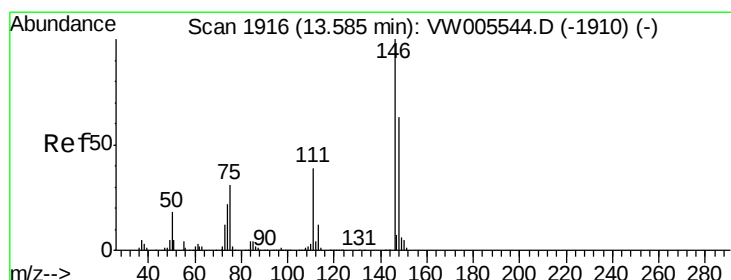
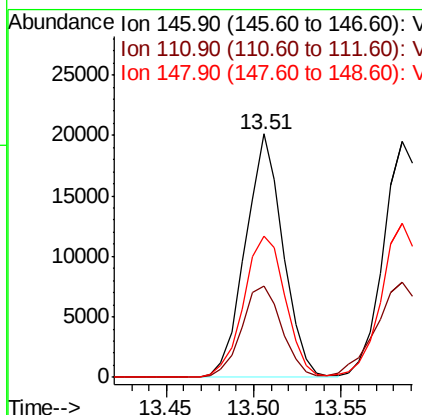
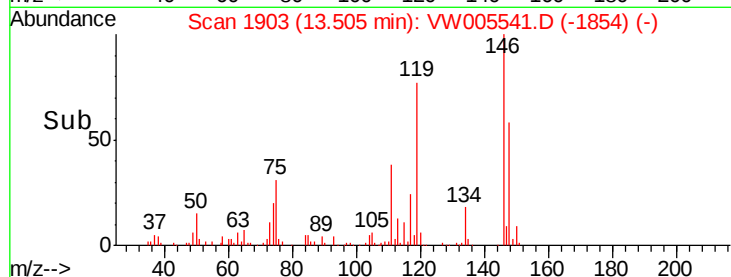
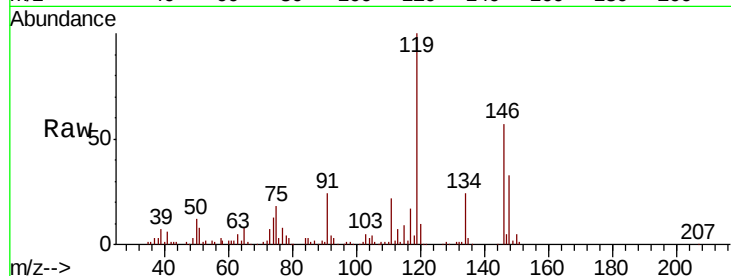
ClientSampleID :

VSTDIC005

Tot Ion:	146	Resp:	30061
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.3	60.9
148	64.6	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.404 ug/l

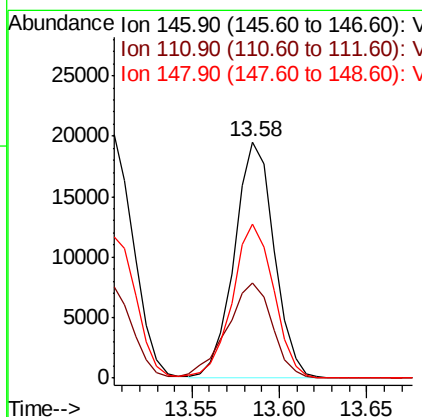
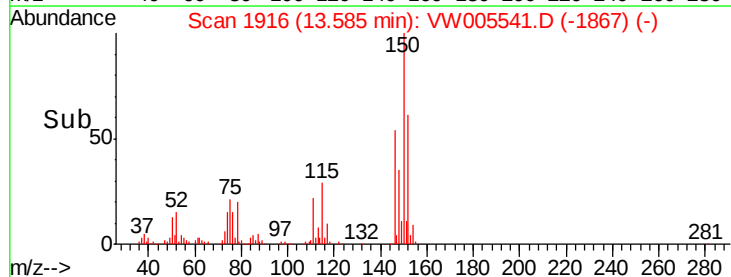
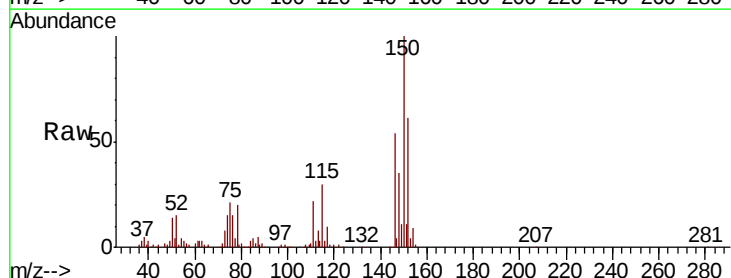
RT: 13.58 min Scan# 1916

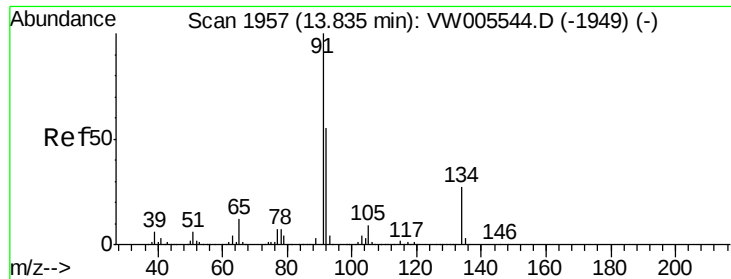
Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion:	146	Resp:	30918
Ion Ratio	Lower	Upper	
146	100		
111	46.2	19.9	59.7
148	67.8	32.1	96.3





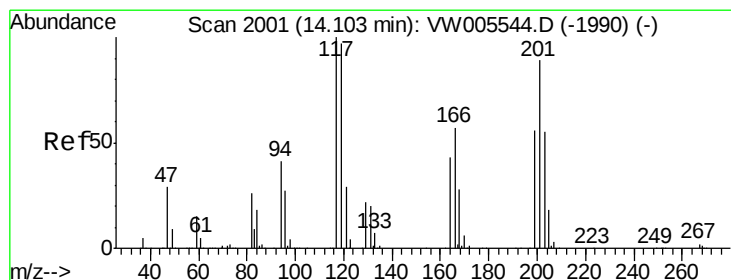
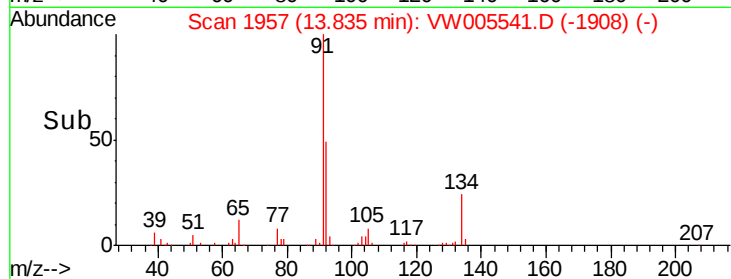
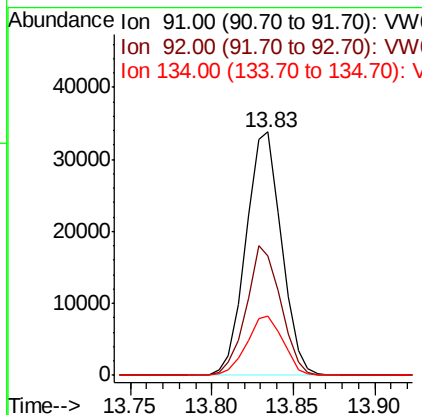
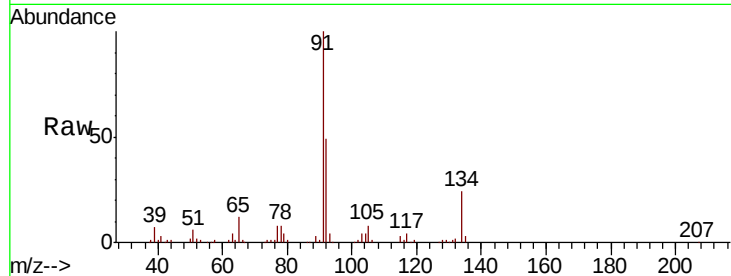
#89
n-Butylbenzene
Concen: 4.862 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.5	79.5
134	25.0	12.9	38.7

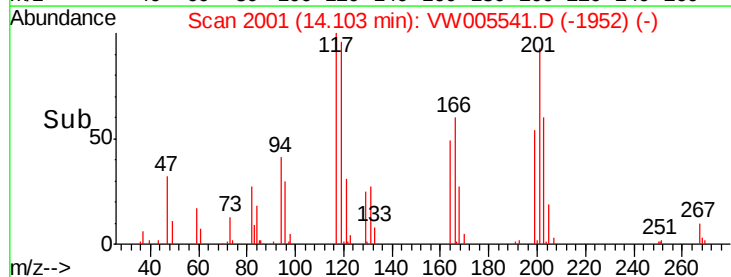
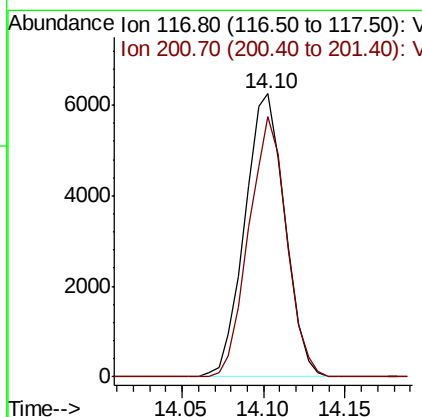
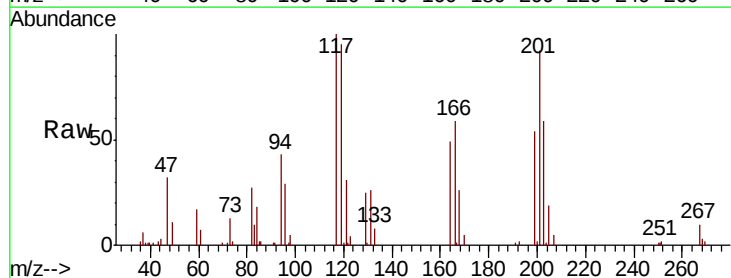
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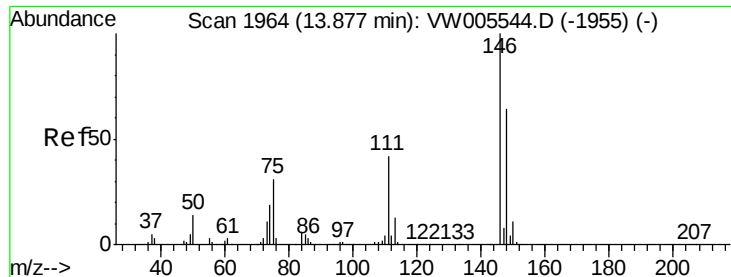
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#90
Hexachloroethane
Concen: 5.441 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.8	128.3





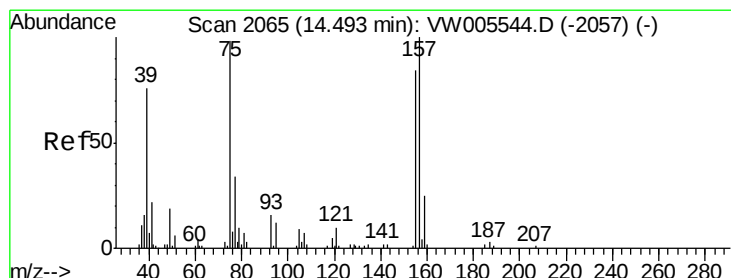
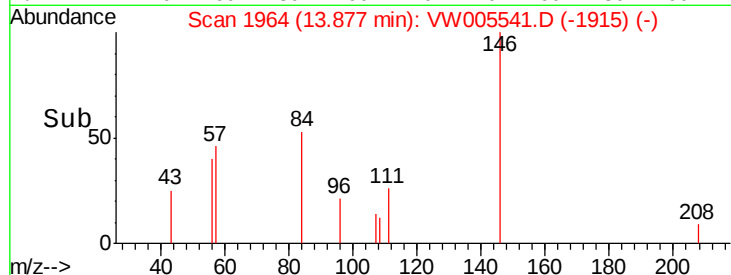
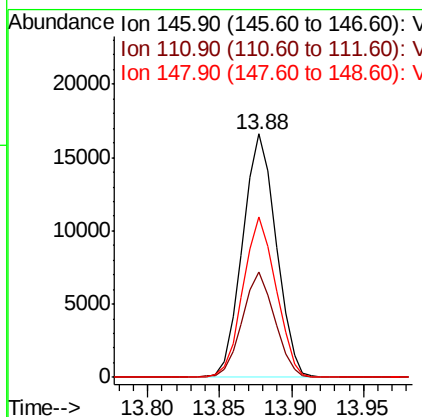
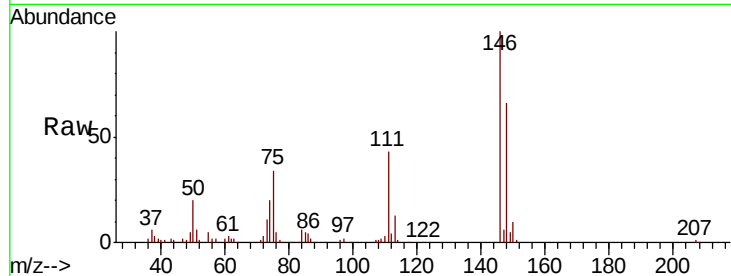
#91
 1,2-Dichlorobenzene
 Concen: 5.297 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	63.9
148	64.8	32.0	96.2

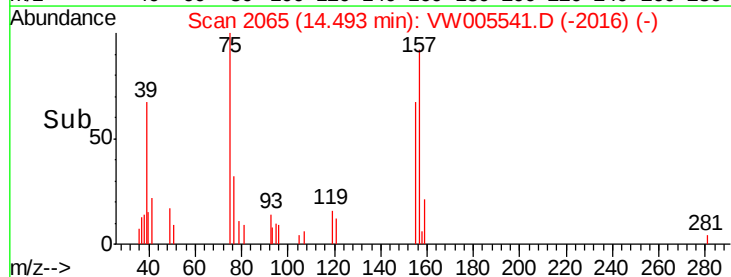
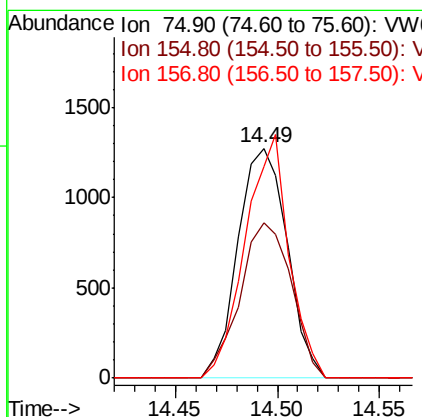
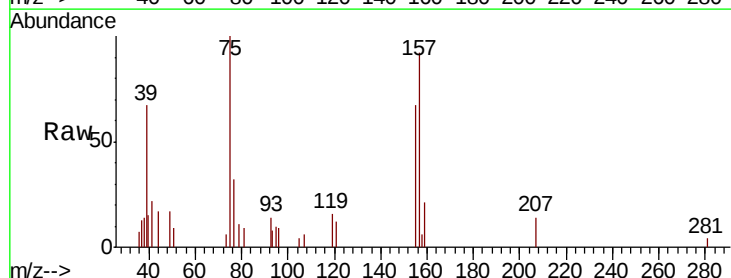
Manual Integrations
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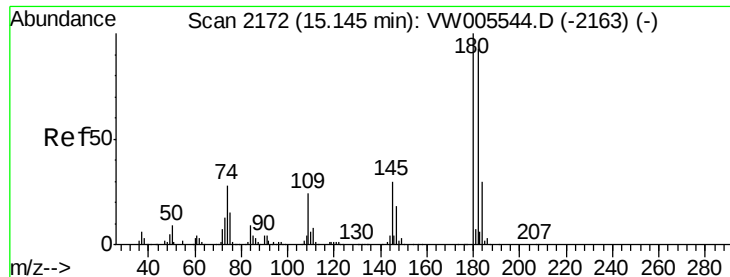
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.211 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005541.D
 Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.9	39.1	117.5
157	94.0	50.8	152.4





#93

1,2,4-Trichlorobenzene

Concen: 5.342 ug/l

RT: 15.15 min Scan# 2172

Delta R.T. -0.00 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Instrument :

MSVOA_W

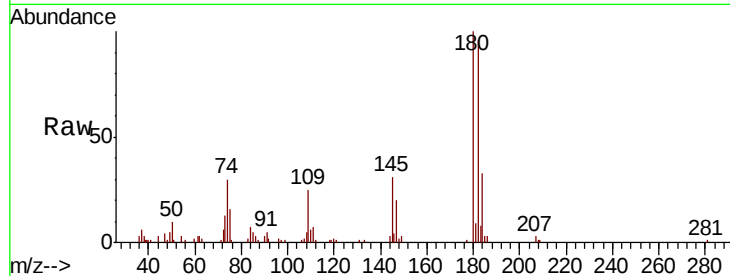
ClientSampled :

VSTDIC005

Tot Ion:	180	Resp:	18232
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.7	143.1
145	29.1	15.0	45.1

Manual Integrations
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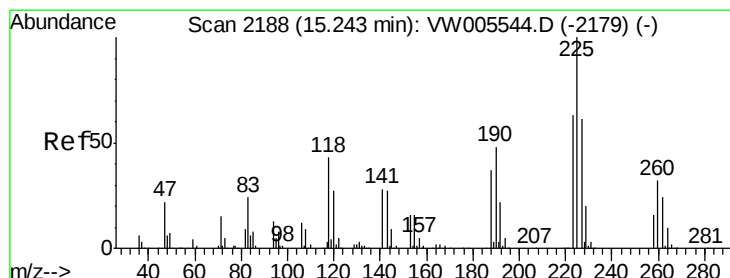
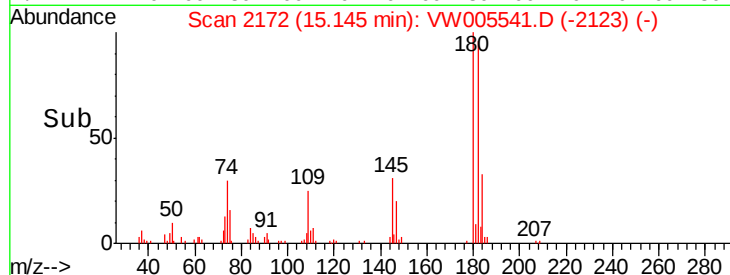
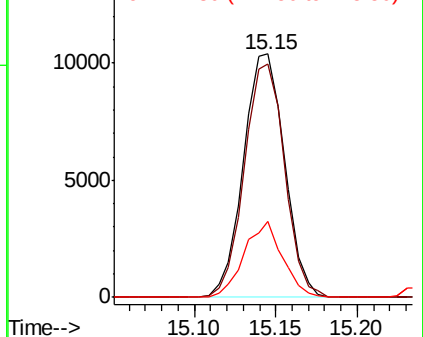


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 5.513 ug/l

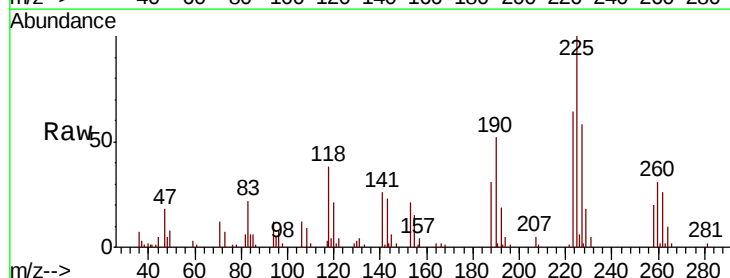
RT: 15.25 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VW005541.D

Acq: 20 Sep 2018 20:36

Tgt Ion:	225	Resp:	12225
Ion Ratio	Lower	Upper	
225	100		
223	64.9	31.1	93.3
227	62.6	31.8	95.3

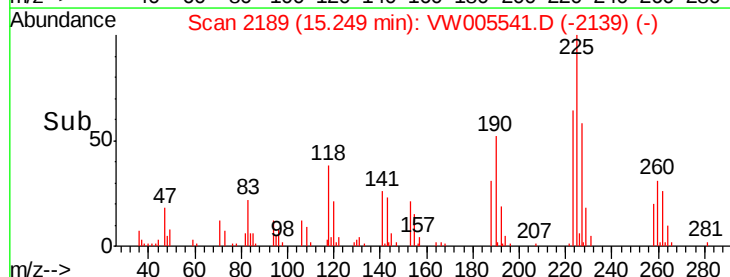
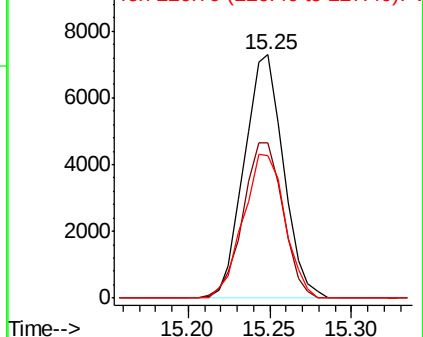


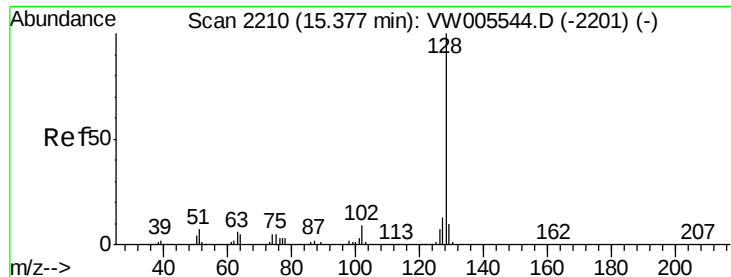
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





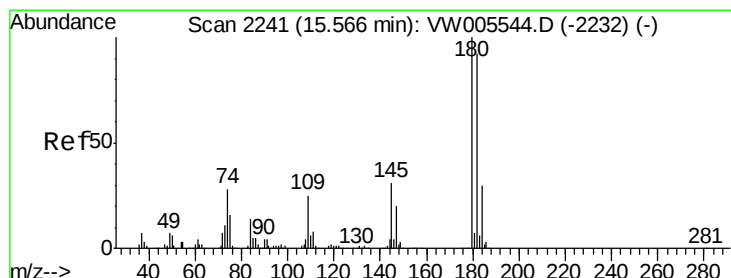
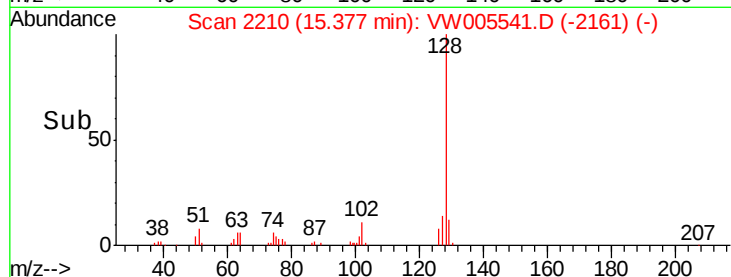
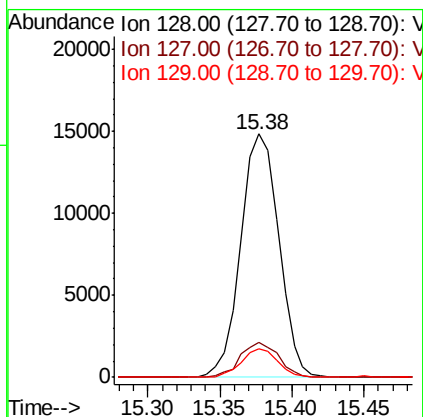
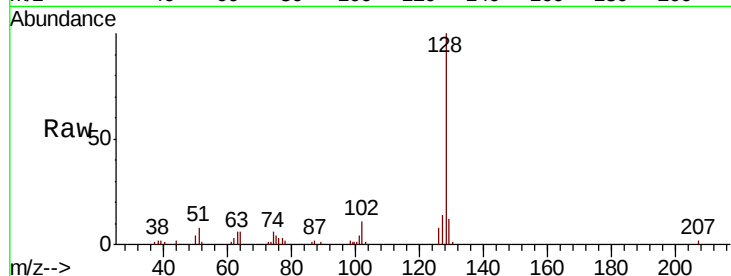
#95
Naphthalene
Concen: 4.770 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.9	16.3
129	11.0	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 5.294 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005541.D
Acq: 20 Sep 2018 20:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.3	141.9
145	33.7	16.0	47.9

