

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090818\
 Data File : VW005228.D
 Acq On : 08 Sep 2018 00:37
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 9/10/2018 10:42:09 AM

Quant Time: Sep 08 03:42:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090818S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 08 02:41:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	460688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	681817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	691047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	378720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	75669	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
35) Dibromofluoromethane	7.89	113	74729	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
50) Toluene-d8	10.33	98	356620	19.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.26%	
62) 4-Bromofluorobenzene	12.63	95	133638	20.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	86569	23.39	ug/l	99
3) Chloromethane	2.22	50	118555	22.34	ug/l	99
4) Vinyl Chloride	2.36	62	101351	19.75	ug/l	100
5) Bromomethane	2.75	94	67061	18.99	ug/l	97
6) Chloroethane	2.90	64	58102	18.42	ug/l	99
7) Trichlorofluoromethane	3.26	101	107437	18.64	ug/l	98
8) Diethyl Ether	3.69	74	42757	20.35	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	73360	18.46	ug/l	99
10) Methyl Iodide	4.27	142	85525	16.93	ug/l	99
11) Tert butyl alcohol	5.18	59	32364	116.46	ug/l	99
12) 1,1-Dichloroethene	4.04	96	70070	19.15	ug/l	98
13) Acrolein	3.90	56	29262	115.90	ug/l	98
14) Allyl chloride	4.67	41	109813	19.23	ug/l	100
15) Acrylonitrile	5.37	53	98567	109.36	ug/l	100
16) Acetone	4.13	43	68294	91.46	ug/l	98
17) Carbon Disulfide	4.38	76	244719	19.12	ug/l	99
18) Methyl Acetate	4.68	43	43733	19.65	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	189485	21.15	ug/l	98
20) Methylene Chloride	4.92	84	127285	20.38	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	86532	19.43	ug/l	94
22) Diisopropyl ether	6.32	45	246558	20.48	ug/l	97
23) Vinyl Acetate	6.26	43	669137	105.20	ug/l	99
24) 1,1-Dichloroethane	6.22	63	144620	19.28	ug/l	99
25) 2-Butanone	7.18	43	112406	87.59	ug/l	96
26) 2,2-Dichloropropane	7.17	77	105965	17.31	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	94751	19.49	ug/l	99
28) Bromochloromethane	7.52	49	55220	18.33	ug/l	99
29) Tetrahydrofuran	7.54	42	76818	112.96	ug/l	99
30) Chloroform	7.68	83	147852	19.32	ug/l	99
31) Cyclohexane	7.96	56	141507	19.09	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	124027	18.59	ug/l	99
36) 1,1-Dichloropropene	8.09	75	119648	18.78	ug/l	99
37) Ethyl Acetate	7.26	43	53277	22.01	ug/l	99
38) Carbon Tetrachloride	8.07	117	108700	18.01	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140805	18.19	ug/l	98
40) Benzene	8.33	78	368528	18.88	ug/l	100
41) Methacrylonitrile	7.49	41	26910	19.40	ug/l	92
42) 1,2-Dichloroethane	8.41	62	93268	19.54	ug/l	99
43) Isopropyl Acetate	8.43	43	94384	21.36	ug/l	99
44) Trichloroethene	9.10	130	99616	18.95	ug/l	98
45) 1,2-Dichloropropane	9.38	63	87632	18.43	ug/l	98
46) Dibromomethane	9.46	93	41633	18.30	ug/l	98
47) Bromodichloromethane	9.65	83	101825	17.81	ug/l	98
48) Methyl methacrylate	9.45	41	41496	19.20	ug/l #	88
49) 1,4-Dioxane	9.45	88	16148	432.07	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	256189	89.56	ug/l	98
52) Toluene	10.39	92	261648	19.77	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	110483	19.51	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	134860	19.70	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	71051	20.07	ug/l	99
56) Ethyl methacrylate	10.65	69	86164	20.95	ug/l	99
57) 1,3-Dichloropropane	10.94	76	118426	20.23	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	198247	103.42	ug/l	99
59) 2-Hexanone	10.98	43	177738	91.45	ug/l	100
60) Dibromochloromethane	11.13	129	78155	19.52	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64992	20.21	ug/l	96
64) Tetrachloroethene	10.87	164	102592	19.01	ug/l	98
65) Chlorobenzene	11.66	112	296096	19.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88238	18.83	ug/l	100
67) Ethyl Benzene	11.74	91	488223	18.87	ug/l	99
68) m/p-Xylenes	11.85	106	403439	38.99	ug/l	100
69) o-Xylene	12.17	106	186140	19.38	ug/l	100
70) Styrene	12.19	104	310594	19.64	ug/l	100
71) Bromoform	12.35	173	48857	19.50	ug/l #	99
73) Isopropylbenzene	12.47	105	488188	18.56	ug/l	99
74) N-amyl acetate	12.28	43	99240	21.24	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	84153	20.60	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56203m	19.60	ug/l	
77) Bromobenzene	12.76	156	125760	19.35	ug/l	99
78) n-propylbenzene	12.81	91	594997	18.78	ug/l	100
79) 2-Chlorotoluene	12.90	91	352283	19.02	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	430809	19.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	22832	19.36	ug/l	99
82) 4-Chlorotoluene	12.99	91	376444	19.23	ug/l	100
83) tert-Butylbenzene	13.21	119	355654	18.64	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	442882	19.20	ug/l	99
85) sec-Butylbenzene	13.39	105	525059	18.83	ug/l	100
86) p-Isopropyltoluene	13.51	119	466945	18.93	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	258490	19.40	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	256048	19.34	ug/l	99
89) n-Butylbenzene	13.83	91	424571	18.61	ug/l	99
90) Hexachloroethane	14.10	117	74558	18.10	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	230587	19.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13504	20.89	ug/l	99

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ClientSampleId :
VSTDICC020

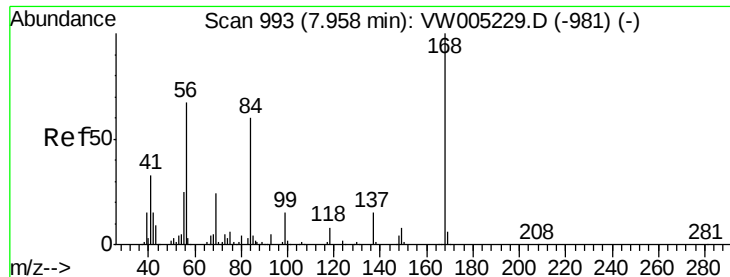
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	153532	19.72	ug/l	100
94) Hexachlorobutadiene	15.25	225	94630	19.43	ug/l	100
95) Naphthalene	15.38	128	252590	20.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	136152	20.35	ug/l	100

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



#1

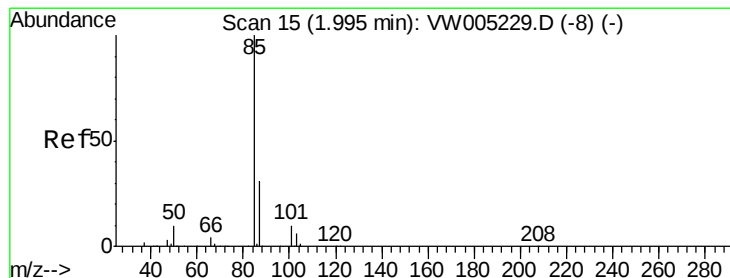
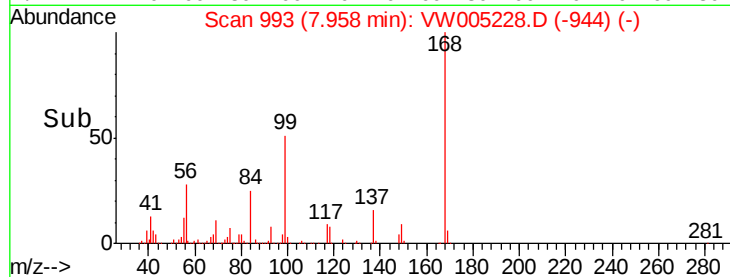
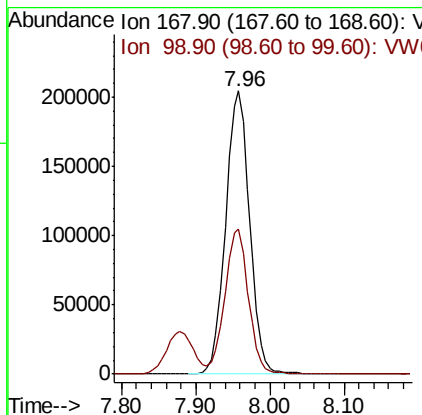
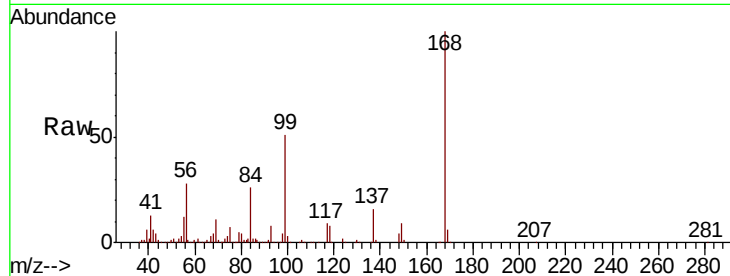
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.0	39.4	59.2

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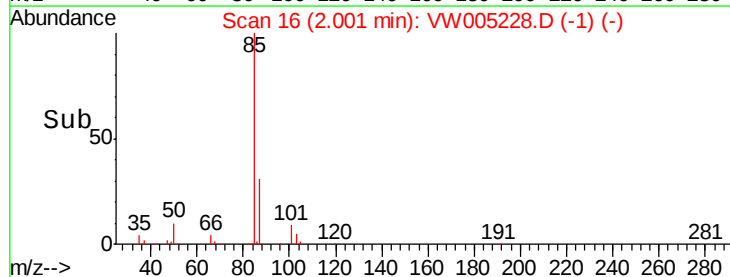
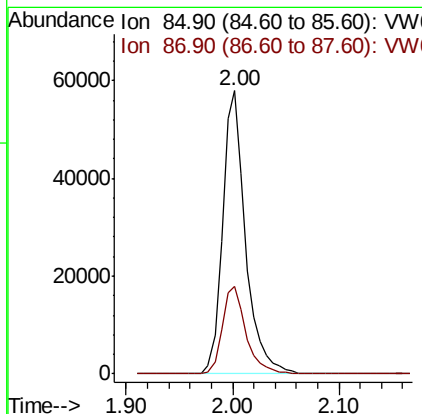
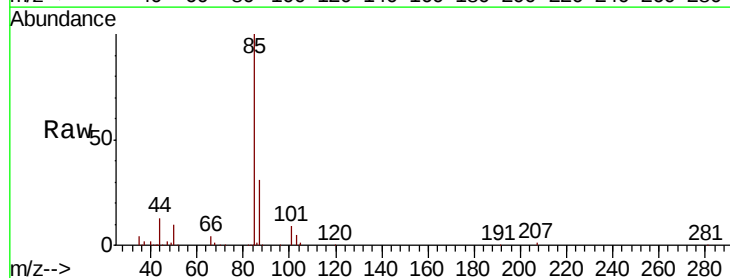
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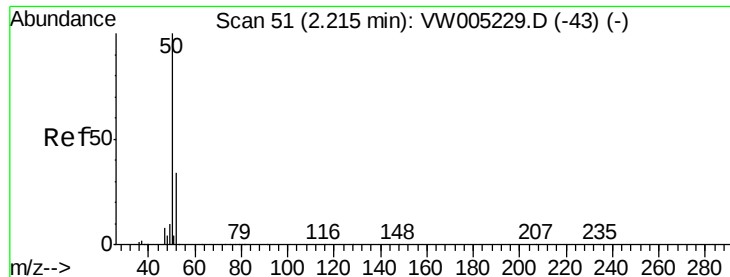


#2

Dichlorodifluoromethane
 Concen: 23.39 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. 0.01 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.7	47.1





#3

Chloromethane

Concen: 22.34 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 118555

Ion Ratio Lower Upper

50 100

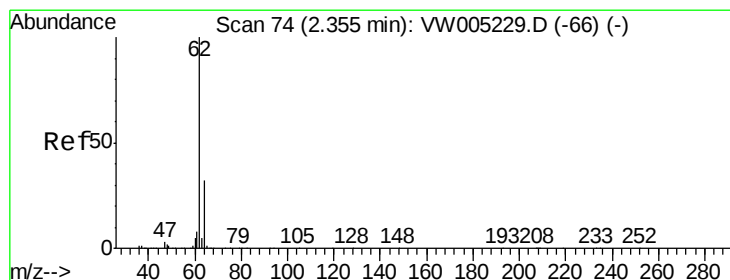
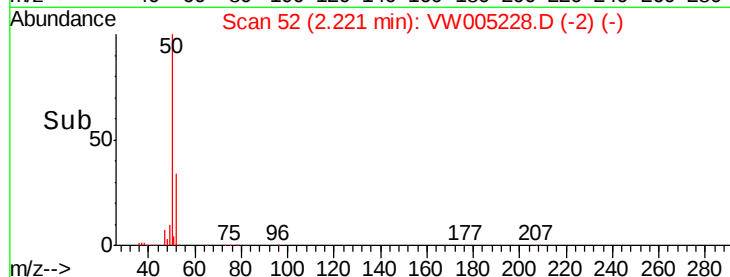
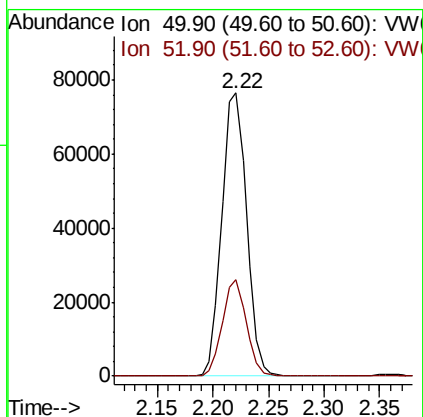
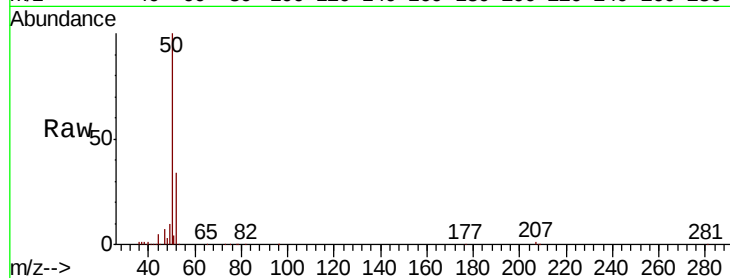
52 34.2 26.9 40.3

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#4

Vinyl Chloride

Concen: 19.75 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW005228.D

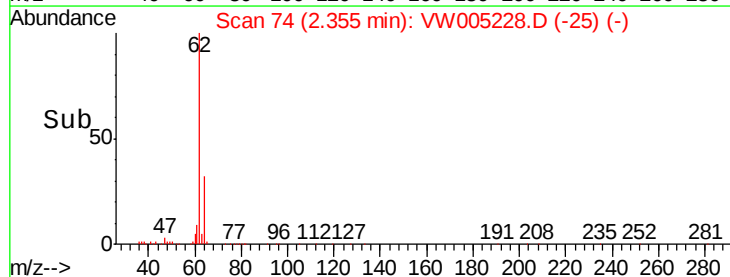
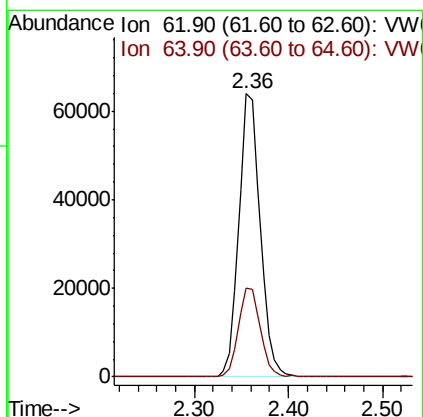
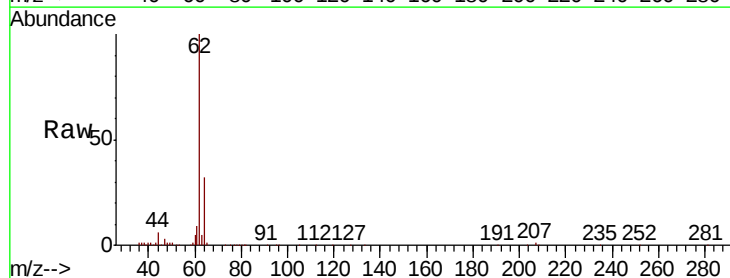
Acq: 08 Sep 2018 00:37

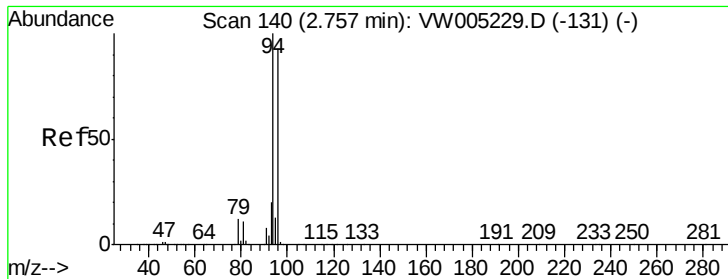
Tgt Ion: 62 Resp: 101351

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 18.99 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tot Ion: 94 Resp: 67061

Ion Ratio Lower Upper

94 100

96 95.9 74.6 112.0

Instrument :

MSVOA_W

ClientSampled :

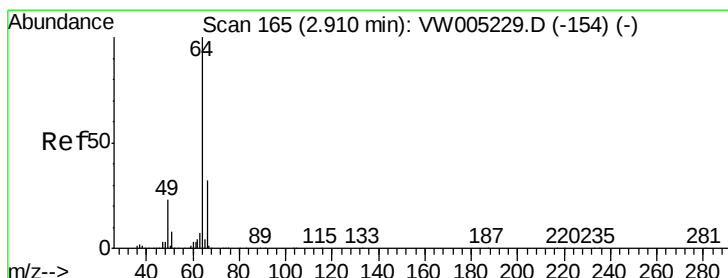
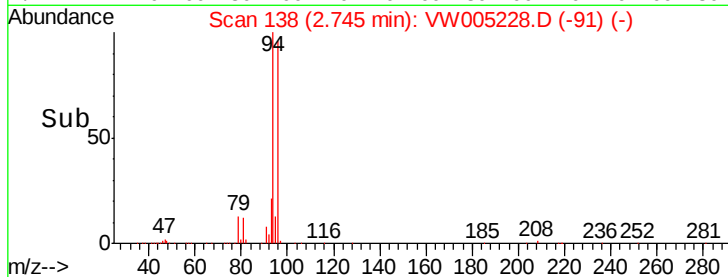
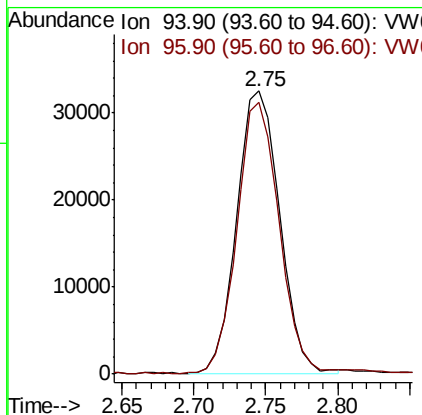
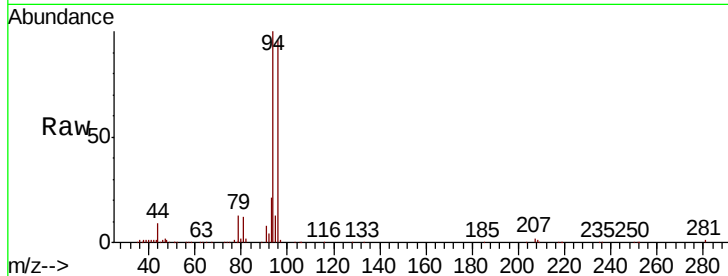
VSTDIC020

Manual Integrations

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#6

Chloroethane

Concen: 18.42 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW005228.D

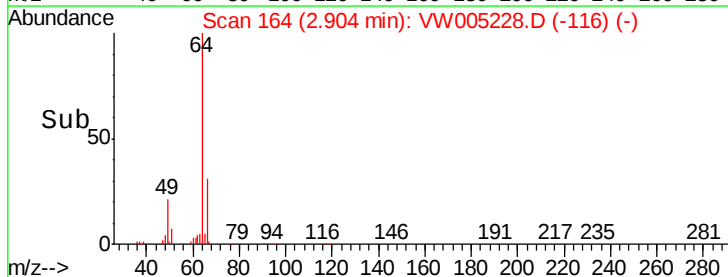
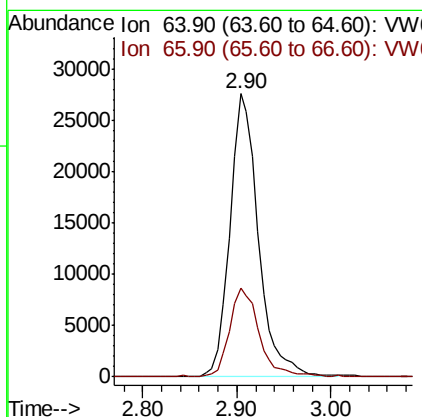
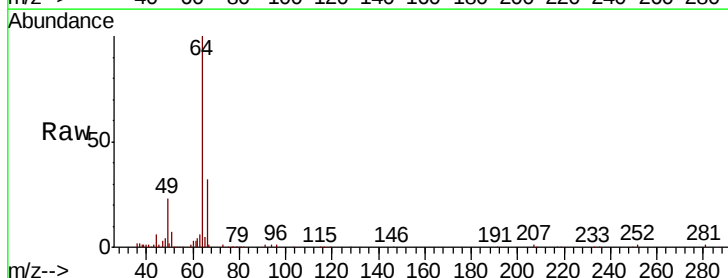
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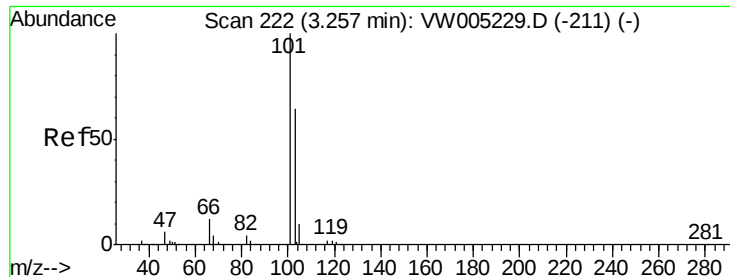
Tgt Ion: 64 Resp: 58102

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3





#7

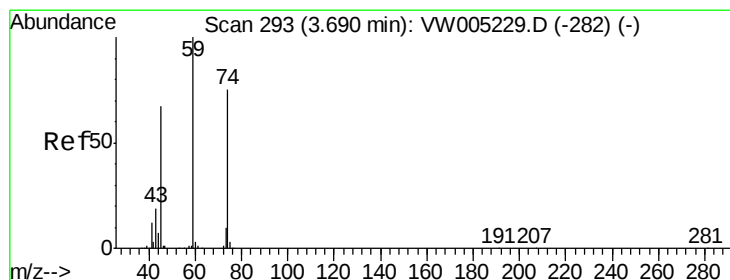
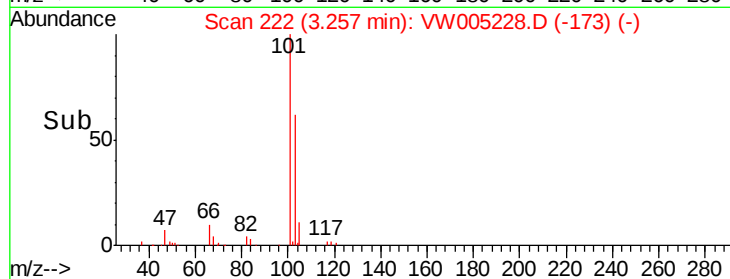
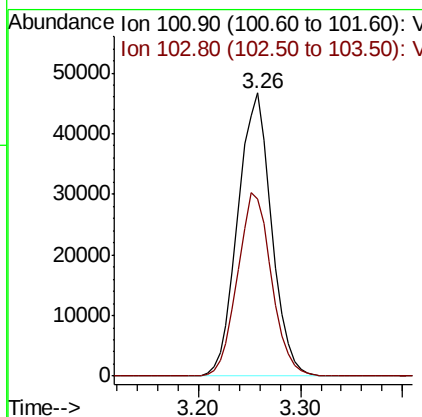
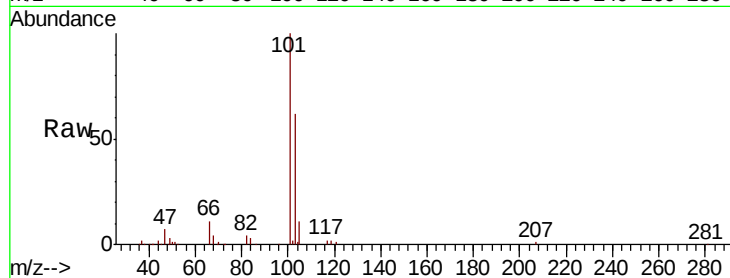
Trichlorofluoromethane
 Concen: 18.64 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.0	76.6

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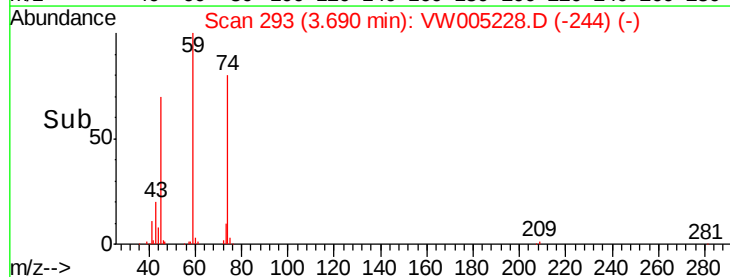
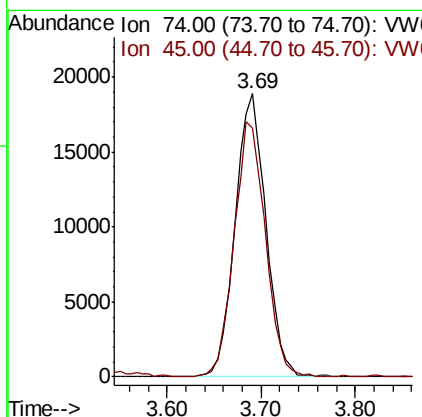
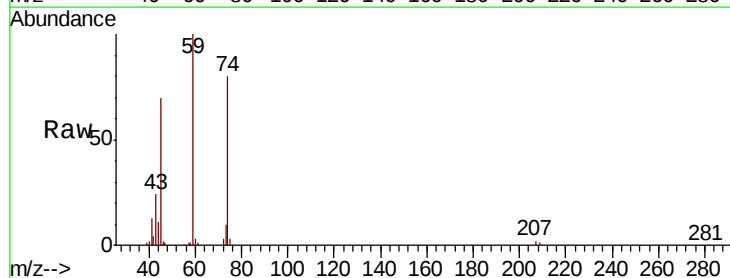
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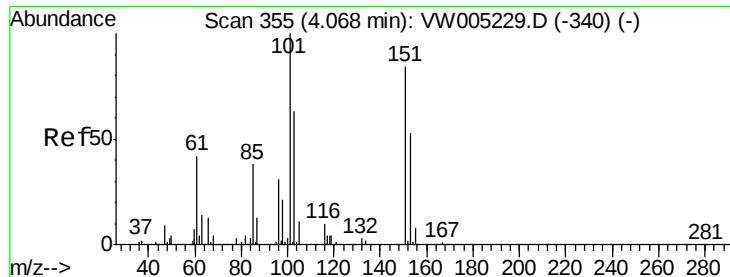


#8

Diethyl Ether
 Concen: 20.35 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.1	46.5	139.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.46 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

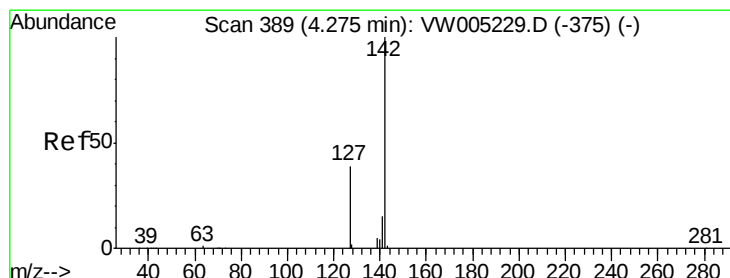
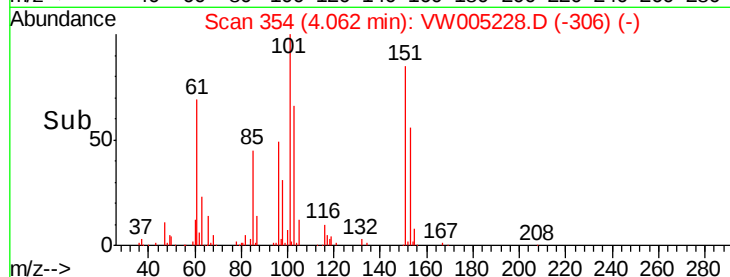
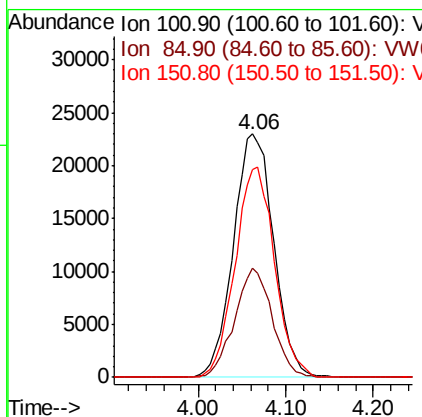
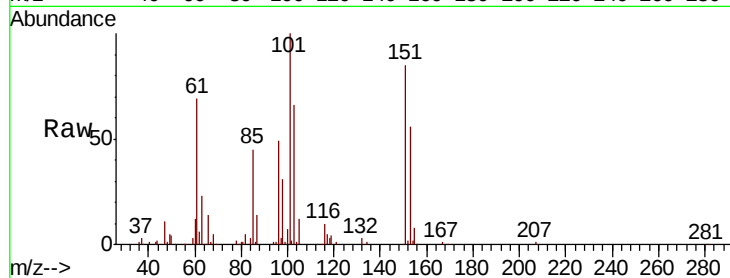
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	73360
Ion Ratio	Lower	Upper	
101	100		
85	41.9	32.5	48.7
151	84.5	67.7	101.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.93 ug/l

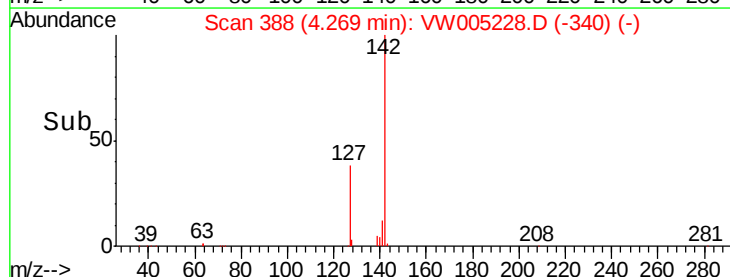
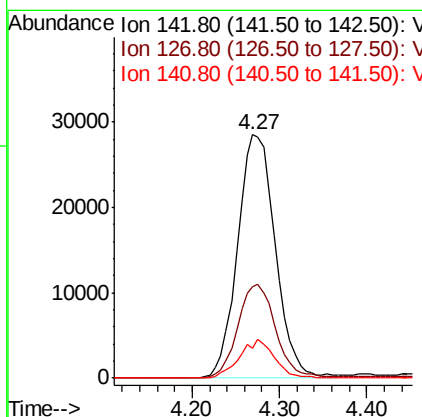
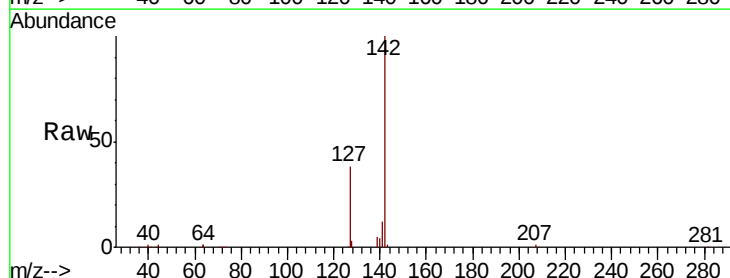
RT: 4.27 min Scan# 388

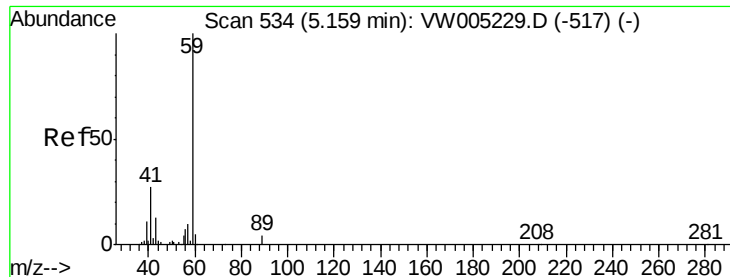
Delta R.T. -0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:	142	Resp:	85525
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.6	45.8
141	14.6	11.6	17.4





#11

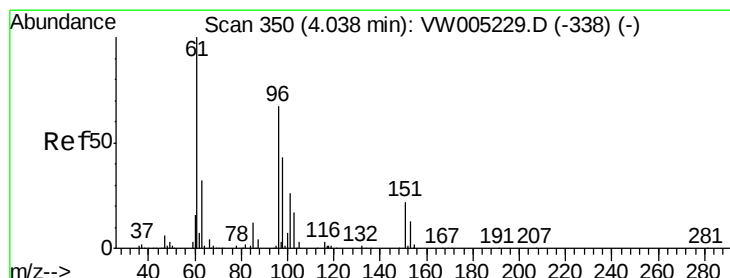
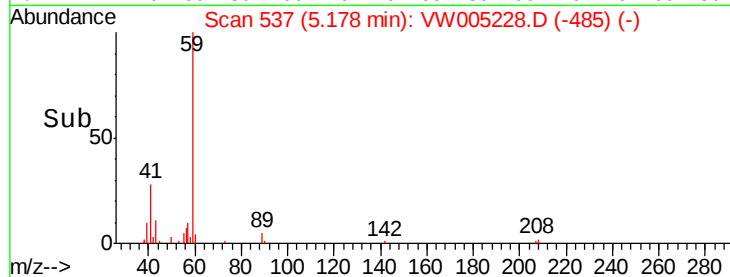
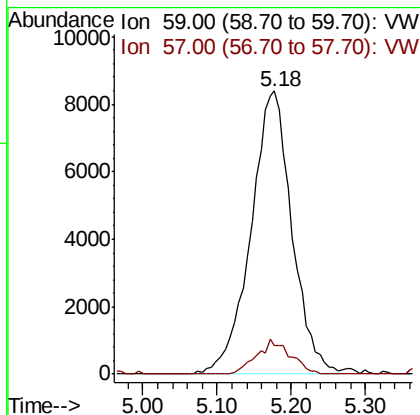
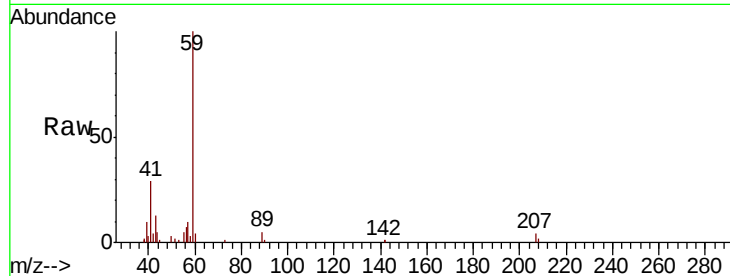
Tert butyl alcohol
Concen: 116.46 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	100	9.9	Resp	32364	Lower	Upper

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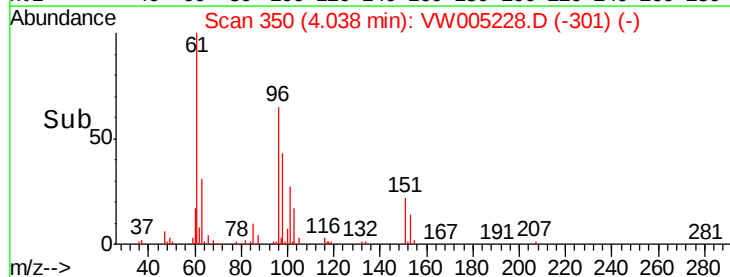
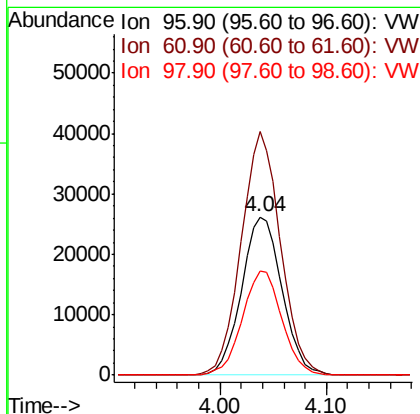
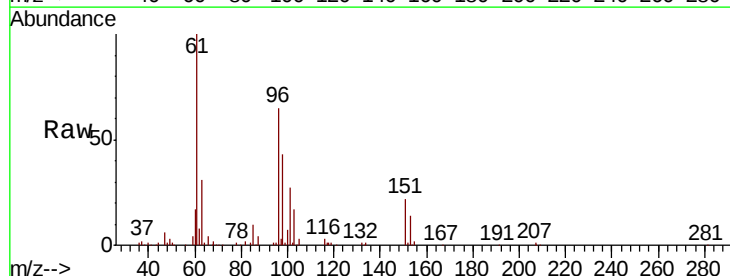
apatel
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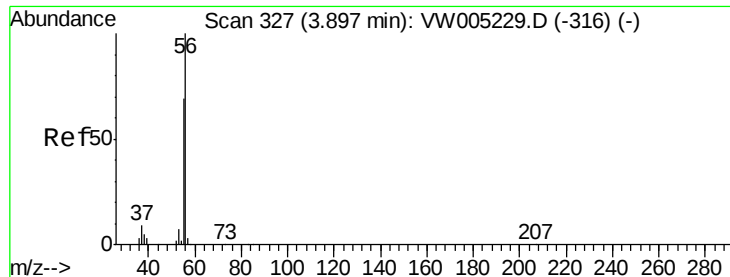


#12

1,1-Dichloroethene
Concen: 19.15 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	96	61	98	Ratio	100	153.8	65.8	Resp	70070	Lower	Upper





#13

Acrolein

Concen: 115.90 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 29262

Ion Ratio Lower Upper

56 100

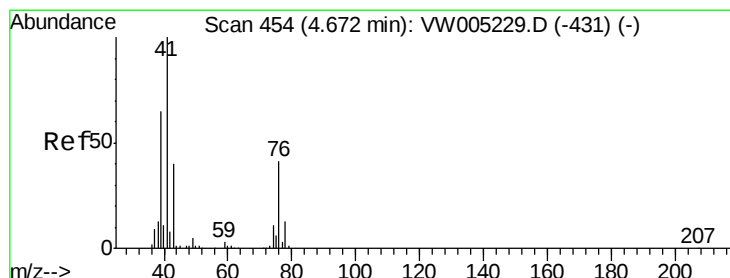
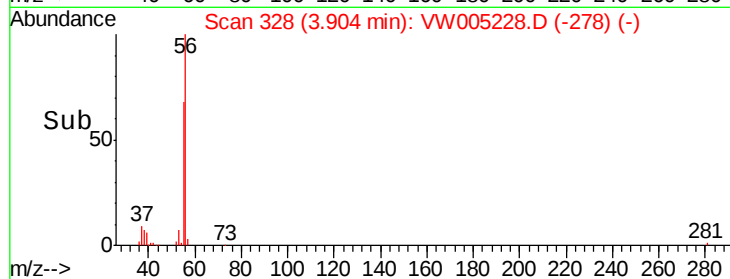
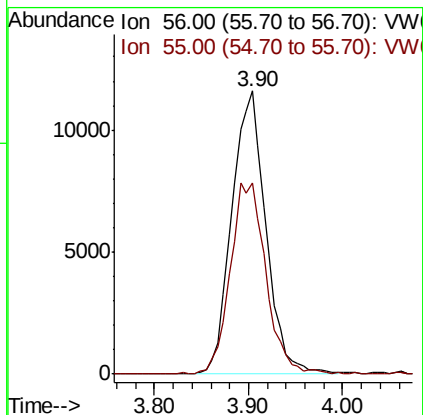
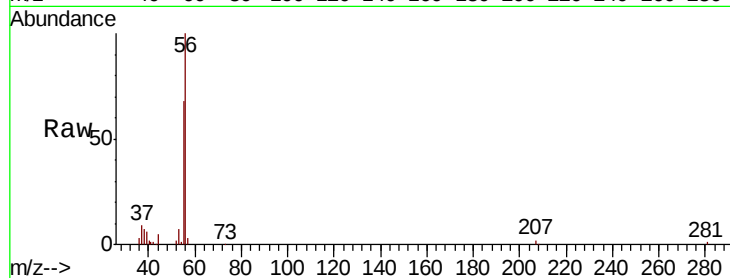
55 70.9 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.23 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

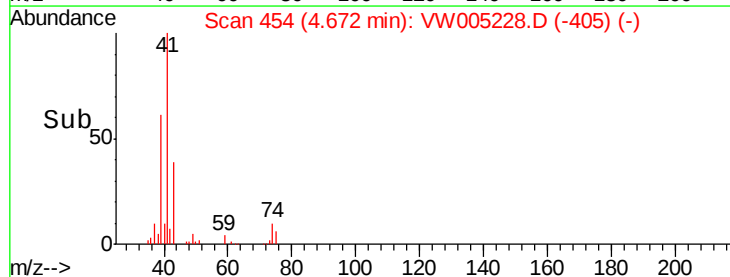
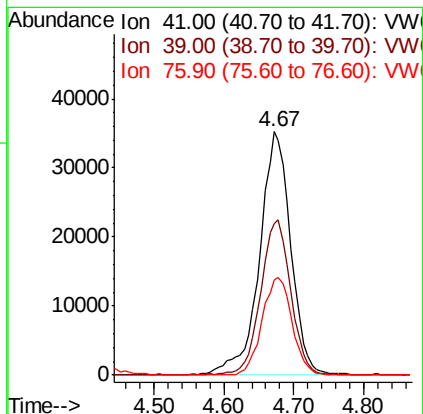
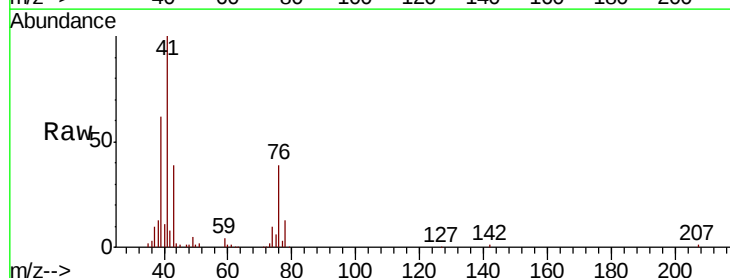
Tgt Ion: 41 Resp: 109813

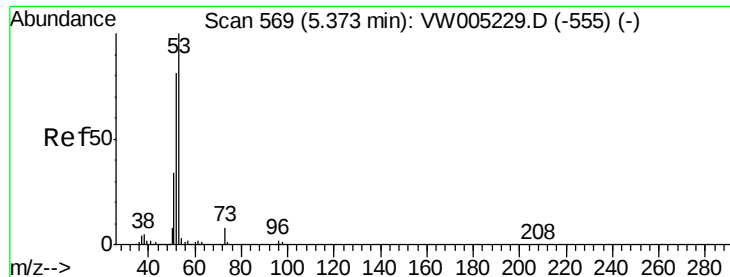
Ion Ratio Lower Upper

41 100

39 61.7 49.1 73.7

76 38.6 31.0 46.6





#15

Acrylonitrile

Concen: 109.36 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

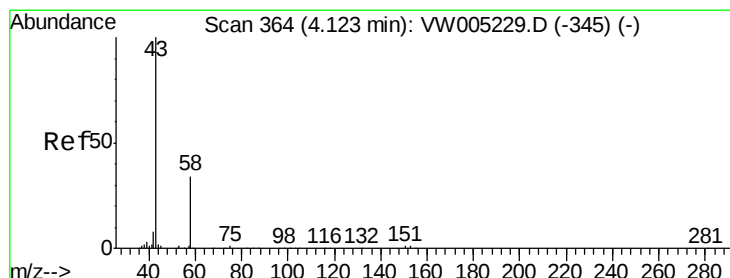
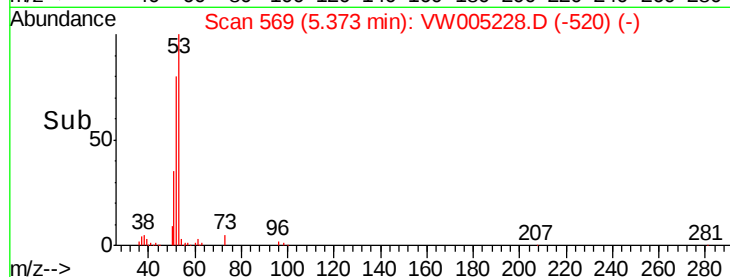
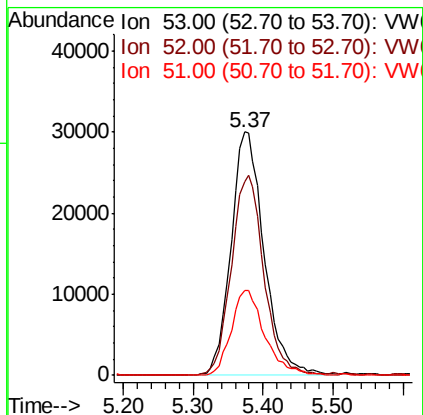
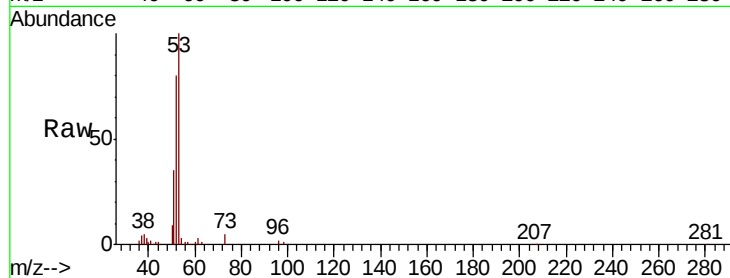
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	98567
Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.9	97.3
51	35.5	28.2	42.2

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#16

Acetone

Concen: 91.46 ug/l

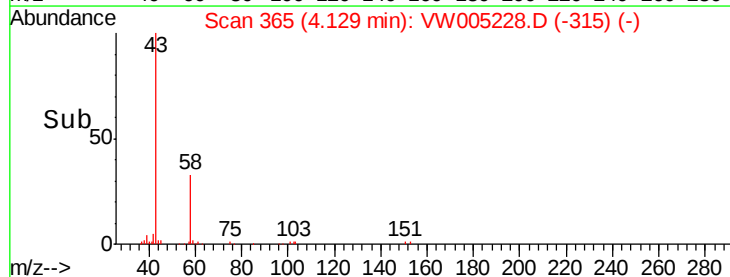
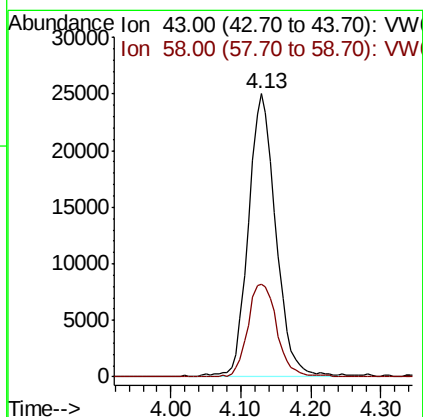
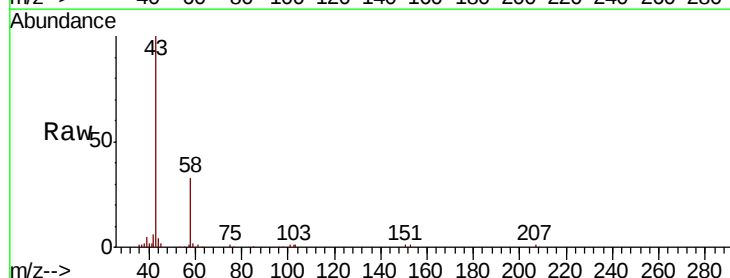
RT: 4.13 min Scan# 365

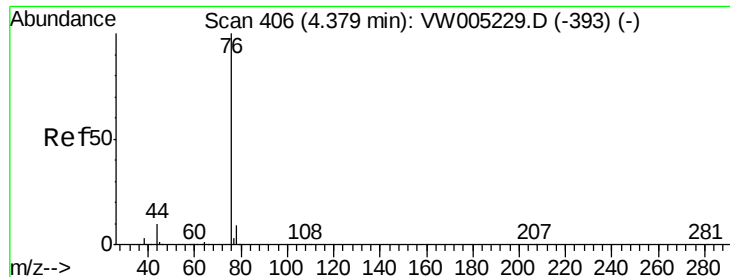
Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:	43	Resp:	68294
Ion	Ratio	Lower	Upper
43	100		
58	32.6	27.0	40.4





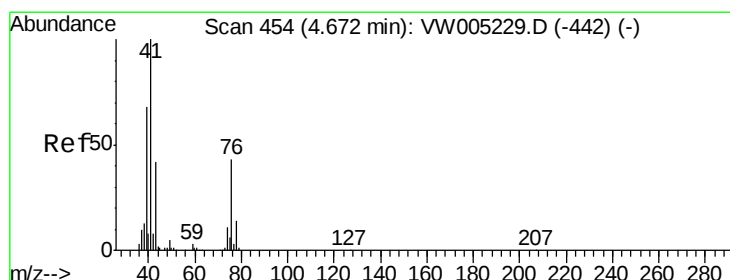
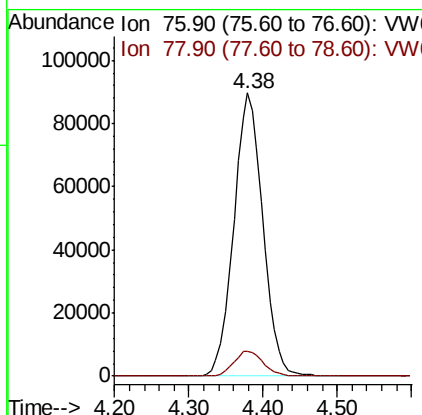
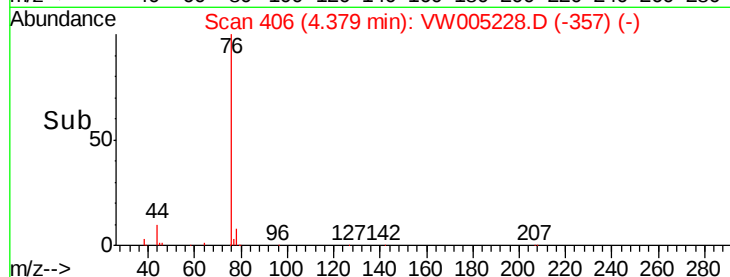
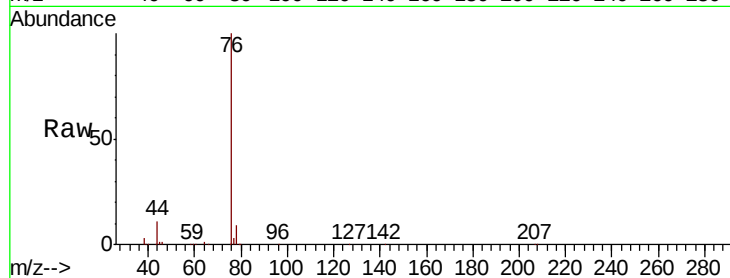
#17
Carbon Disulfide
Concen: 19.12 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

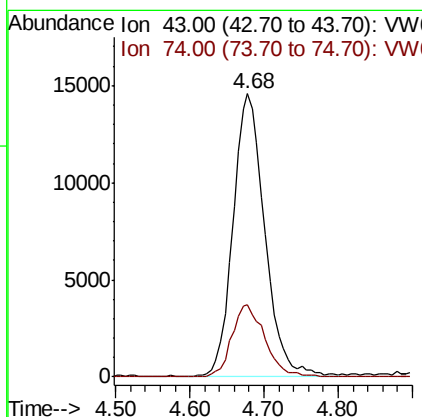
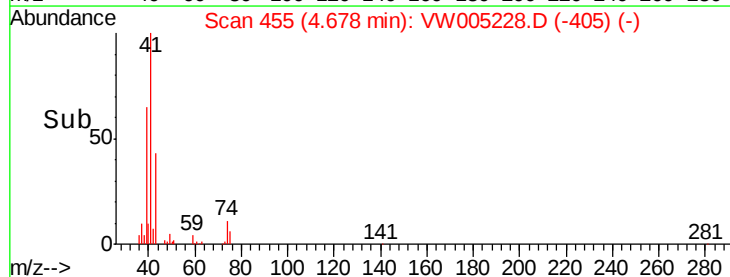
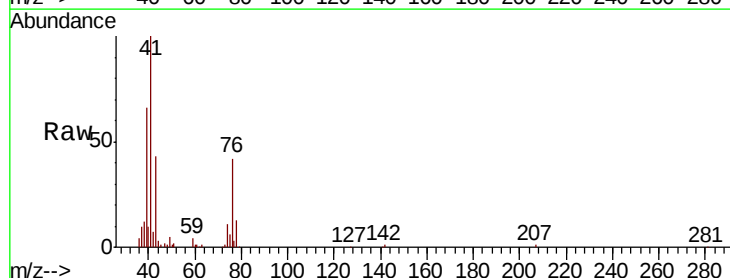
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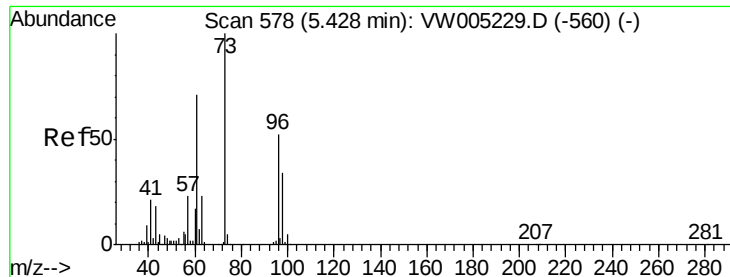
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#18
Methyl Acetate
Concen: 19.65 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	20.8	31.2





#19

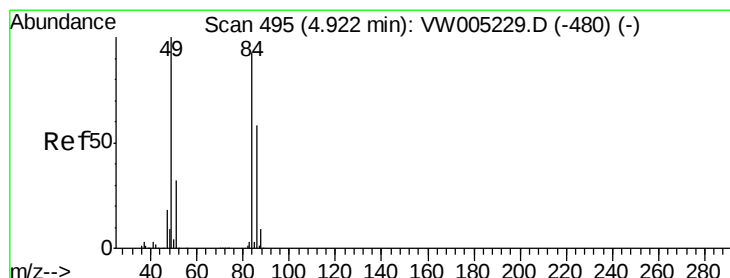
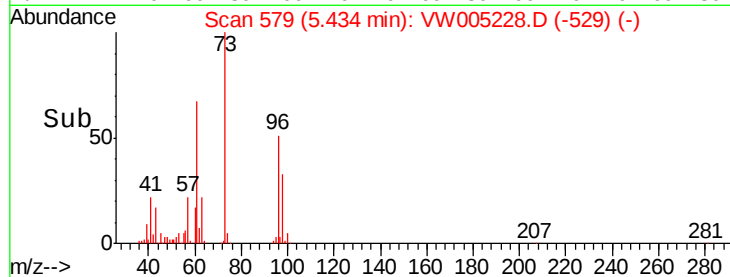
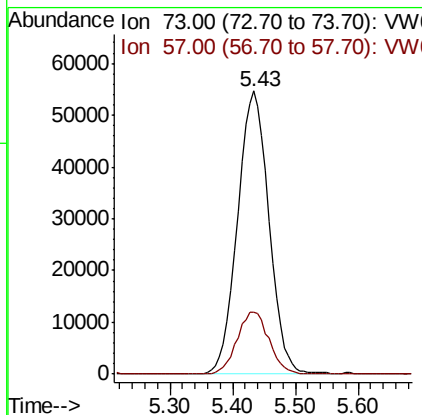
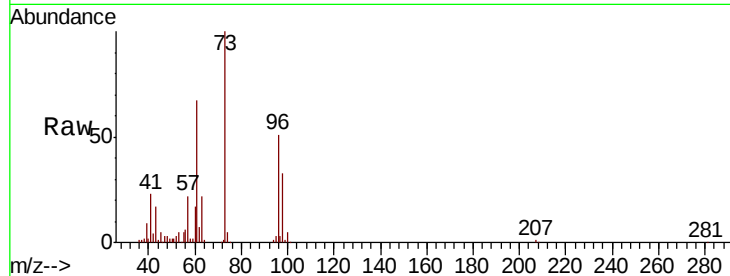
Methyl tert-butyl Ether
 Concen: 21.15 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.2	27.2

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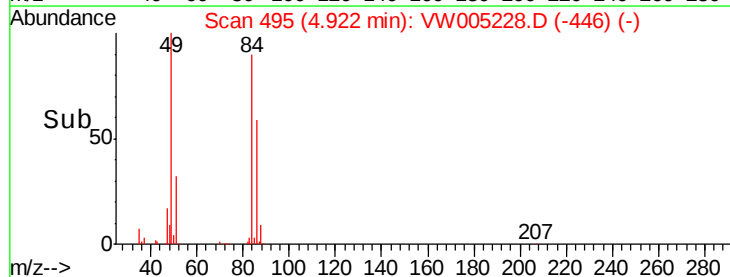
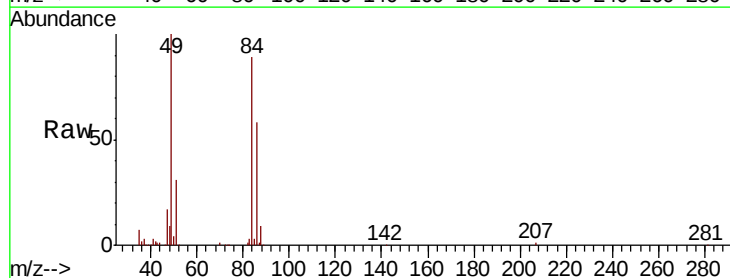
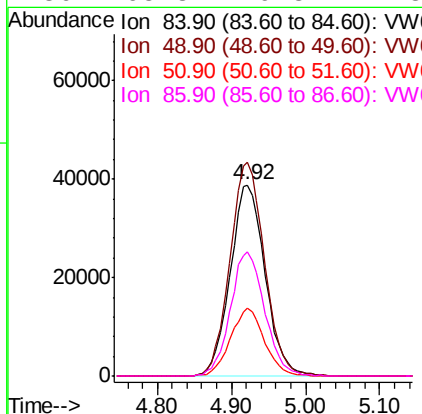
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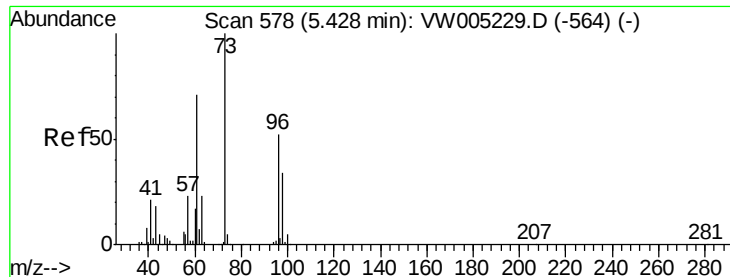


#20

Methylene Chloride
 Concen: 20.38 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.7	85.8	128.6
51	35.2	27.7	41.5
86	65.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 19.43 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 86532

Ion Ratio Lower Upper

96 100

61 128.5 108.2 162.4

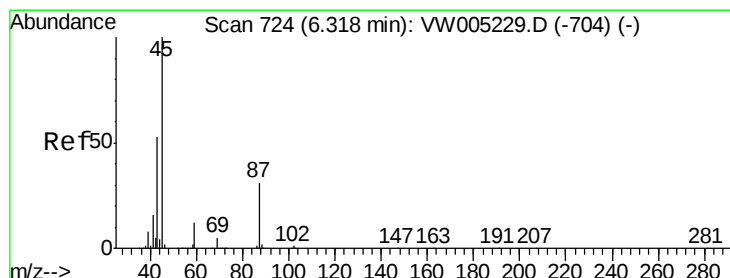
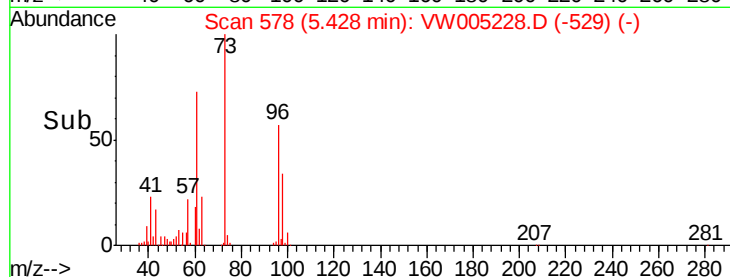
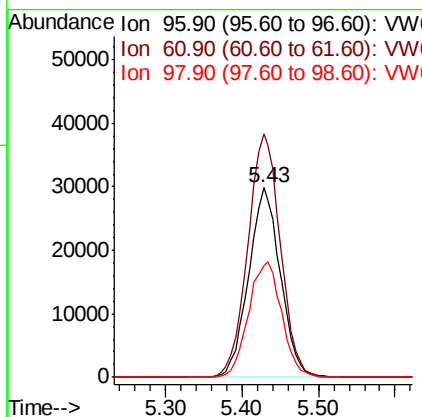
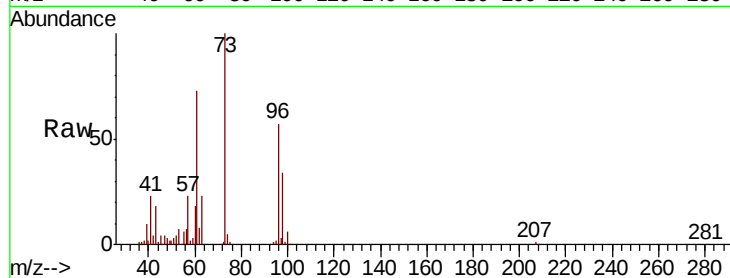
98 58.8 51.9 77.9

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#22

Diisopropyl ether

Concen: 20.48 ug/l

RT: 6.32 min Scan# 725

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion: 45 Resp: 246558

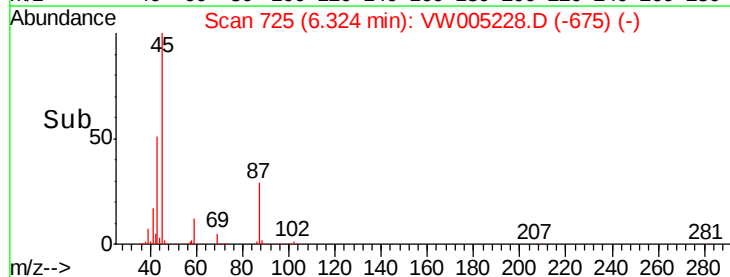
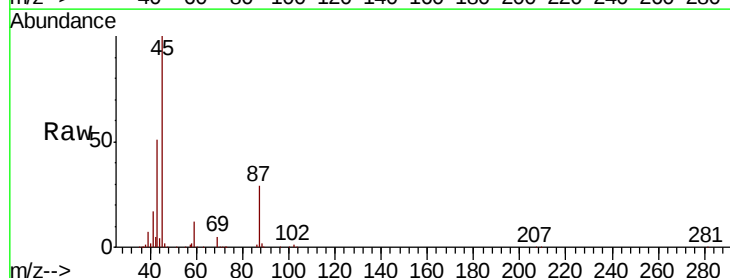
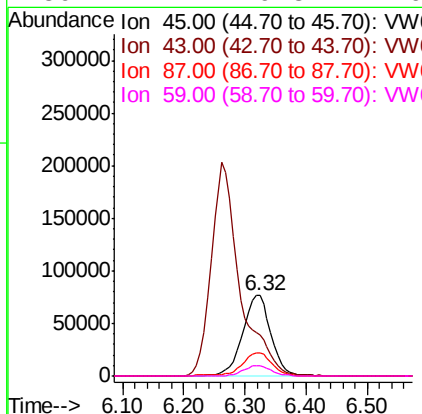
Ion Ratio Lower Upper

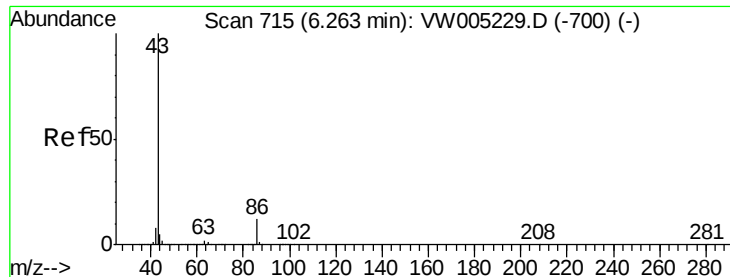
45 100

43 49.9 42.5 63.7

87 29.2 24.7 37.1

59 12.1 9.8 14.6





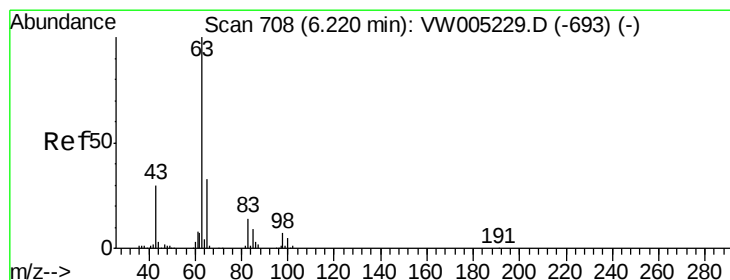
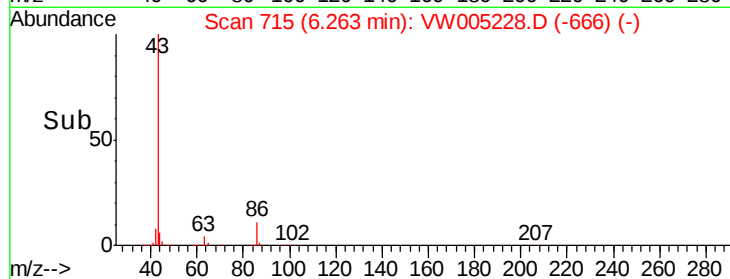
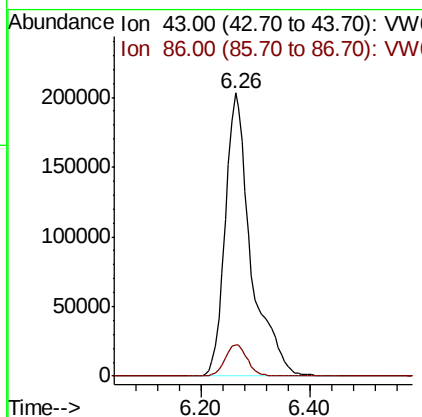
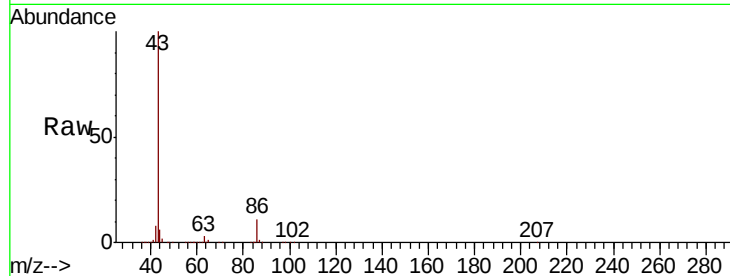
#23
 Vinyl Acetate
 Concen: 105.20 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
43	100	669137		
86	11.2		9.3	13.9

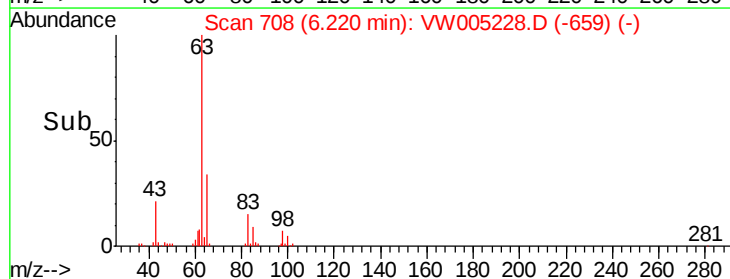
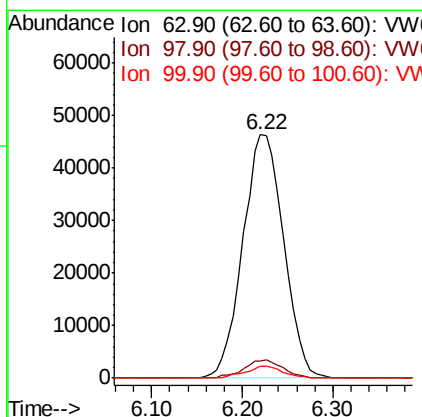
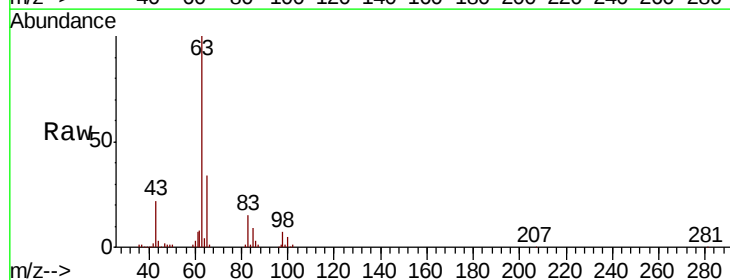
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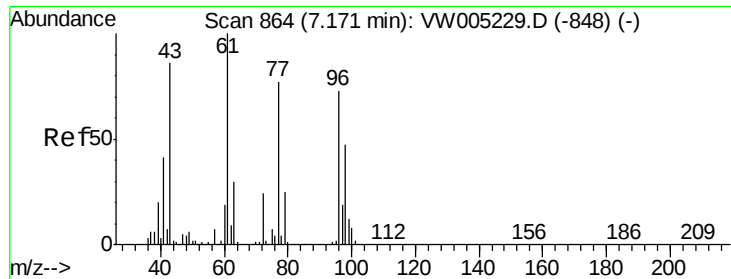
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#24
 1,1-Dichloroethane
 Concen: 19.28 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	144620		
98	7.0		3.5	10.4
100	5.1		2.3	6.8





#25

2-Butanone

Concen: 87.59 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 112406

Ion Ratio Lower Upper

43 100

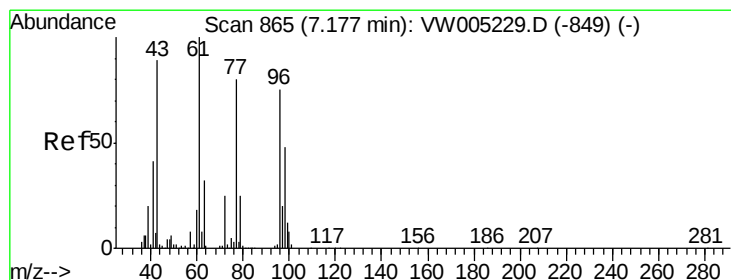
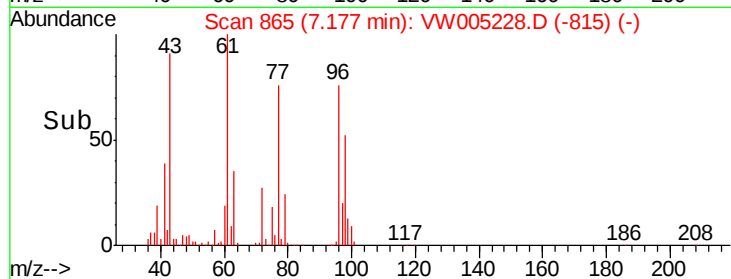
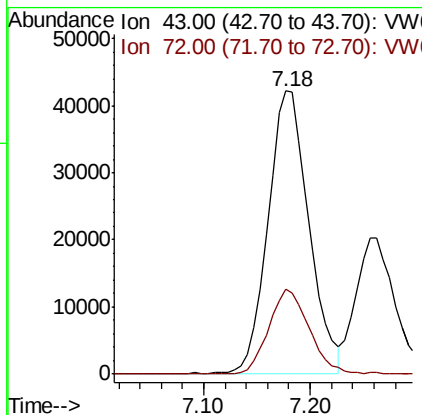
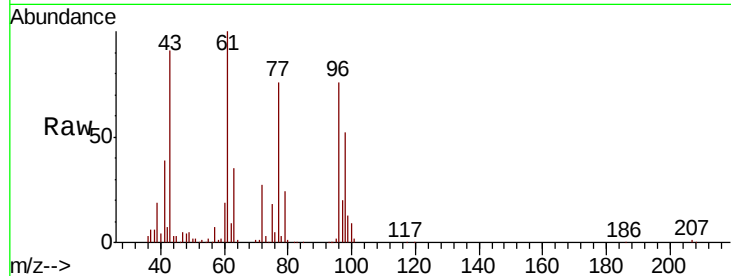
72 30.1 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.31 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005228.D

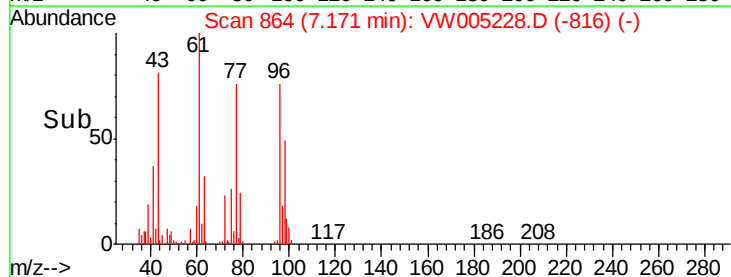
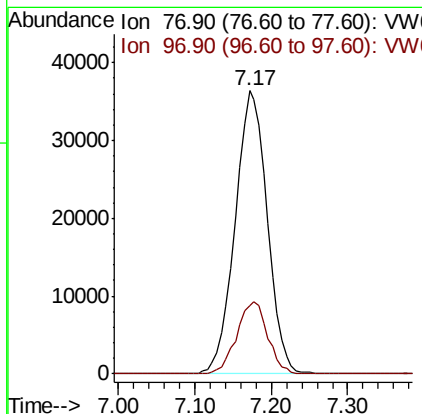
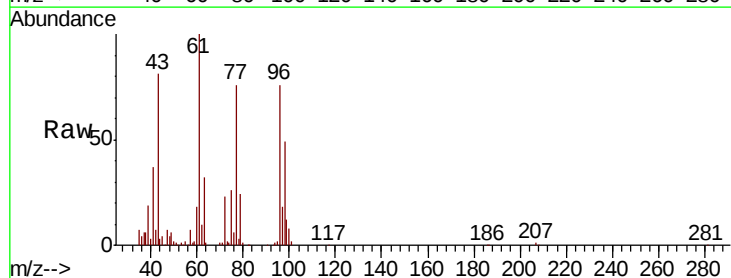
Acq: 08 Sep 2018 00:37

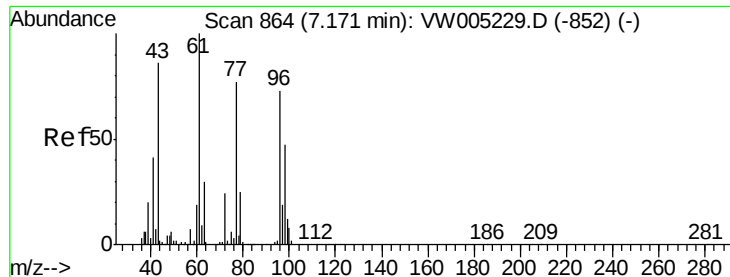
Tgt Ion: 77 Resp: 105965

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.9





#27

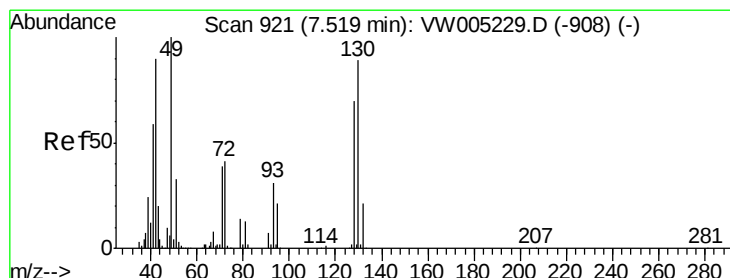
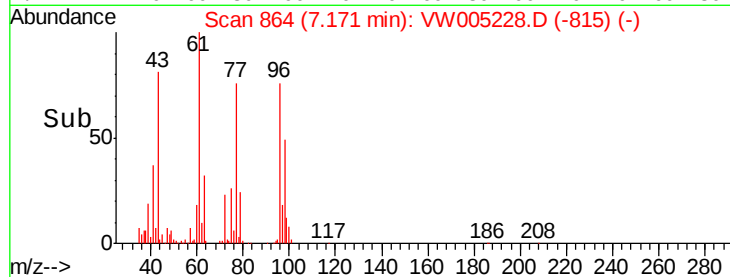
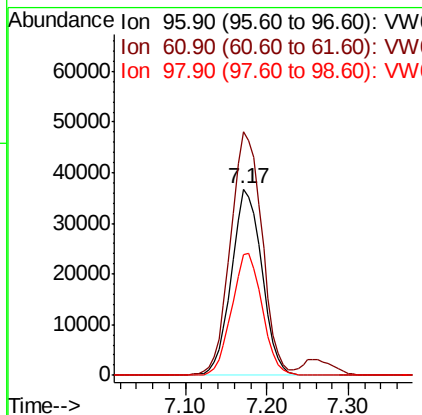
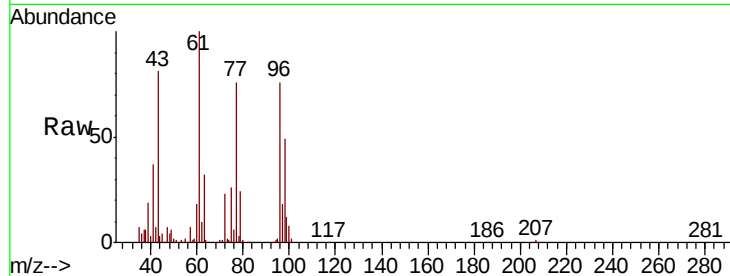
cis-1,2-Dichloroethene
 Concen: 19.49 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	274.6
98	65.3	0.0	129.6

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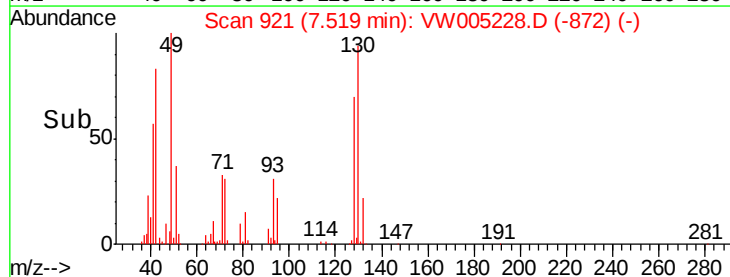
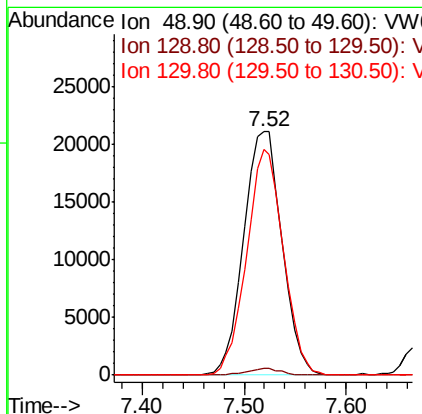
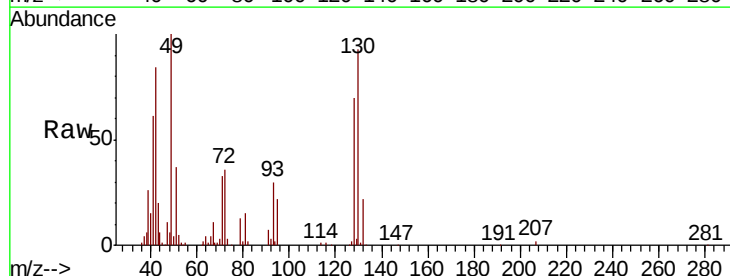
apatel
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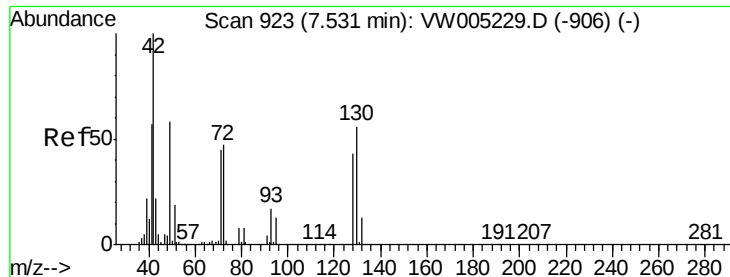


#28

Bromochloromethane
 Concen: 18.33 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	88.6	70.0	105.0





#29

Tetrahydrofuran

Concen: 112.96 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

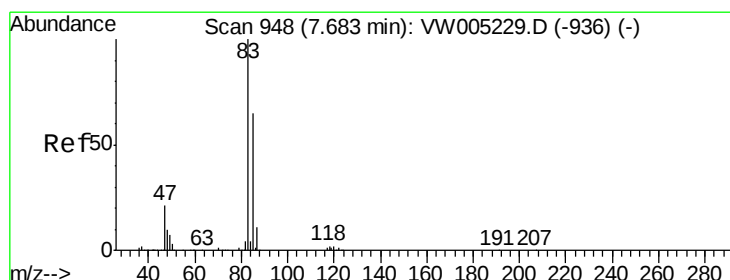
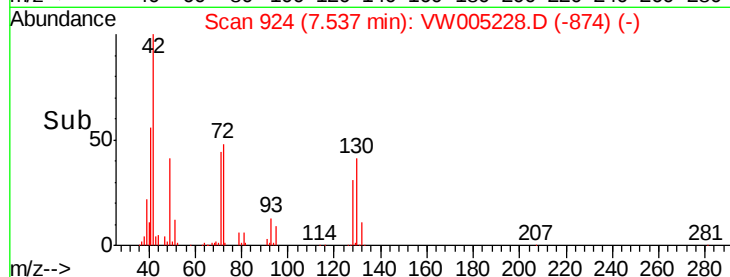
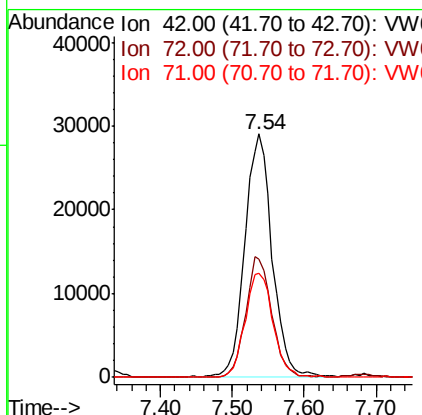
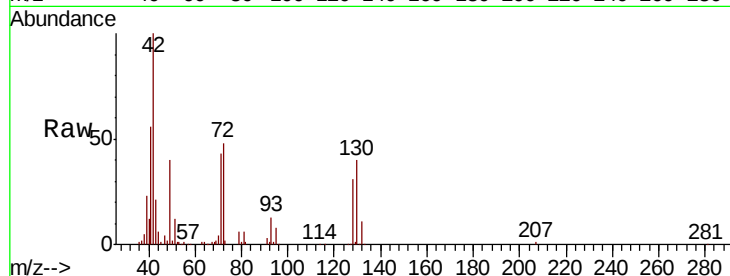
ClientSampled :

VSTDIC020

Tot Ion:	42	Resp:	76818
Ion Ratio		Lower	Upper
42	100		
72	46.9	37.4	56.2
71	43.4	35.5	53.3

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#30

Chloroform

Concen: 19.32 ug/l

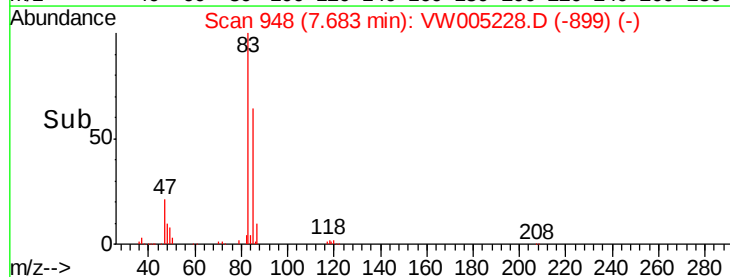
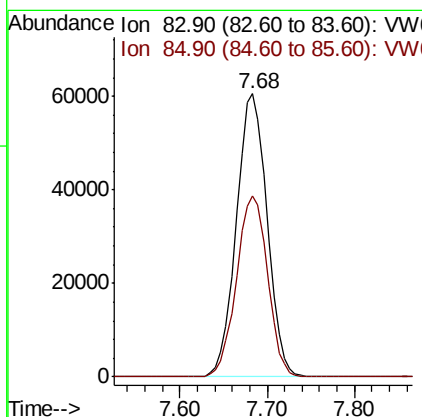
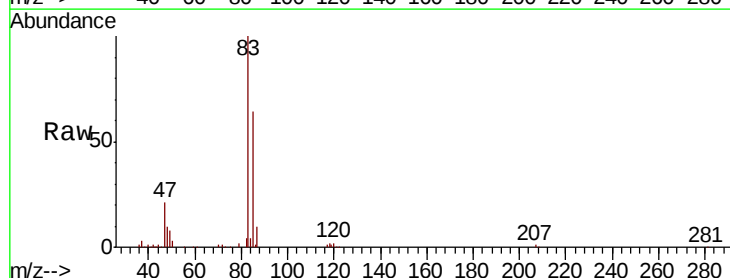
RT: 7.68 min Scan# 948

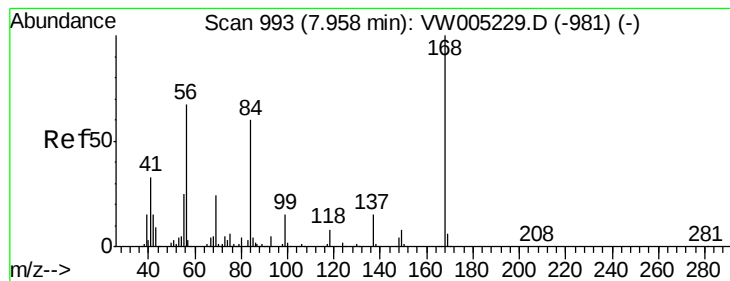
Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:	83	Resp:	147852
Ion Ratio		Lower	Upper
83	100		
85	64.0	51.9	77.9





#31

Cyclohexane

Concen: 19.09 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

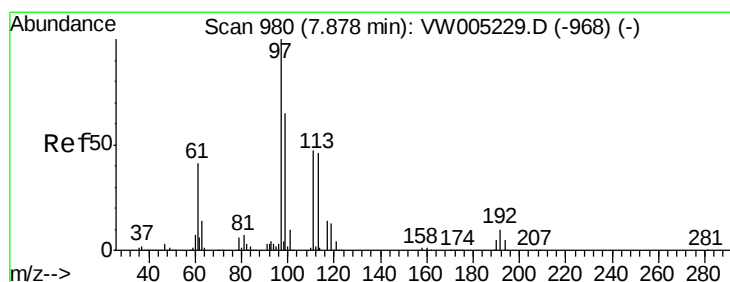
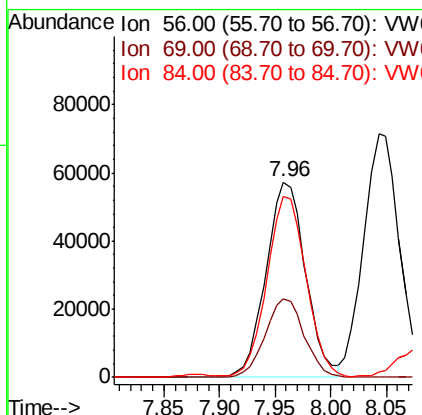
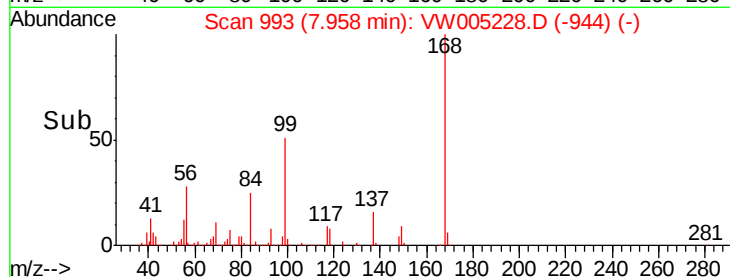
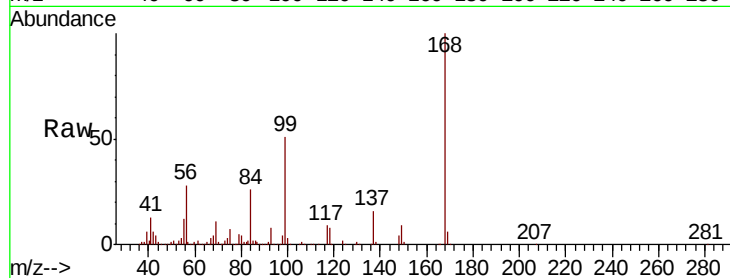
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	141507
Ion	Ratio	Lower	Upper
56	100		
69	40.3	28.2	42.4
84	91.2	71.3	106.9

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#32

1,1,1-Trichloroethane

Concen: 18.59 ug/l

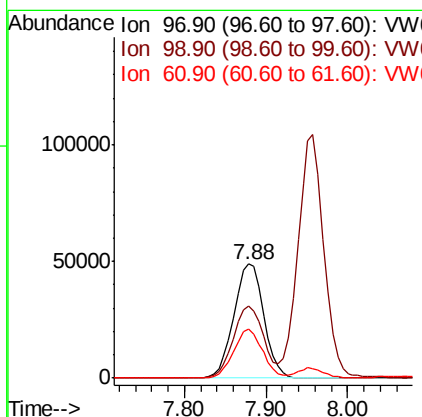
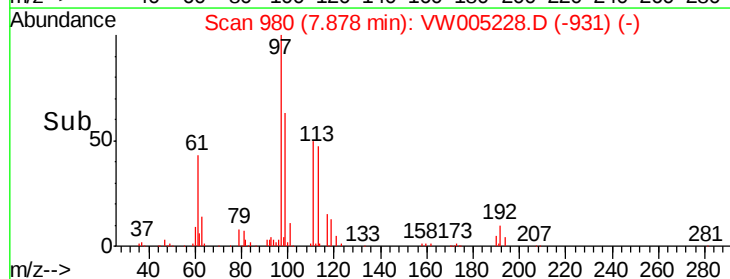
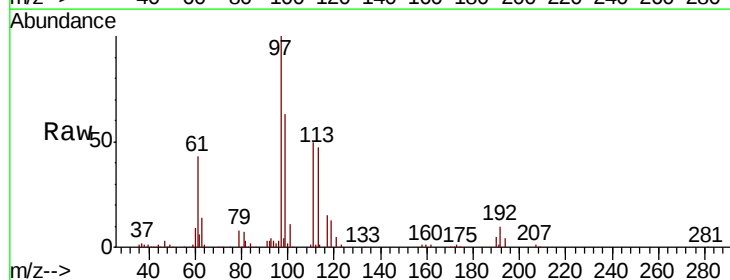
RT: 7.88 min Scan# 980

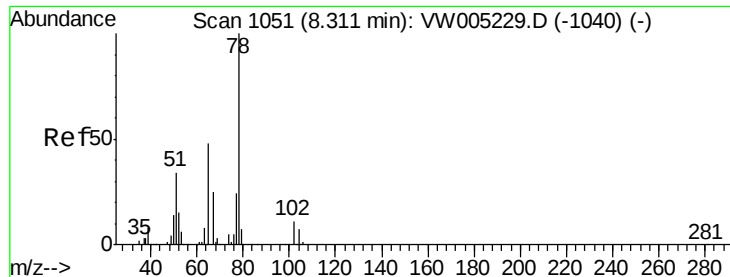
Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:	97	Resp:	124027
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	41.7	33.0	49.4





#33

1,2-Dichloroethane-d4

Concen: 19.81 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 65 Resp: 75669

Ion Ratio Lower Upper

65 100

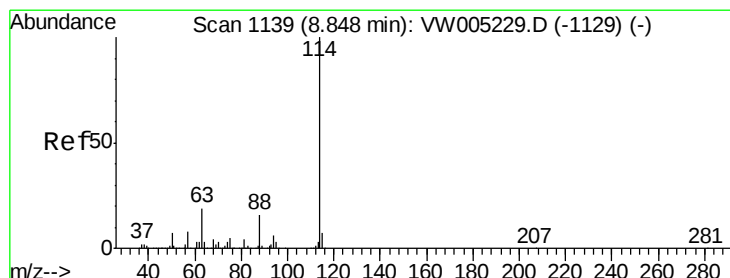
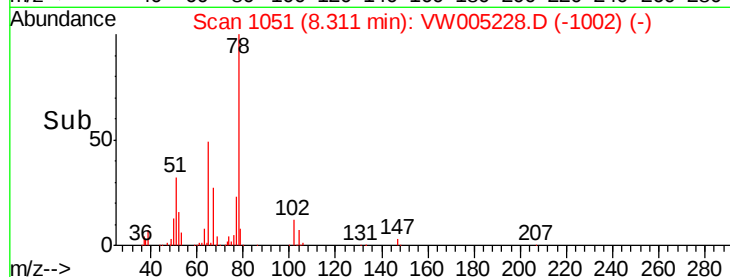
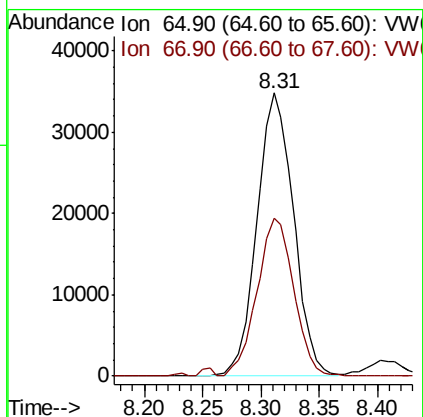
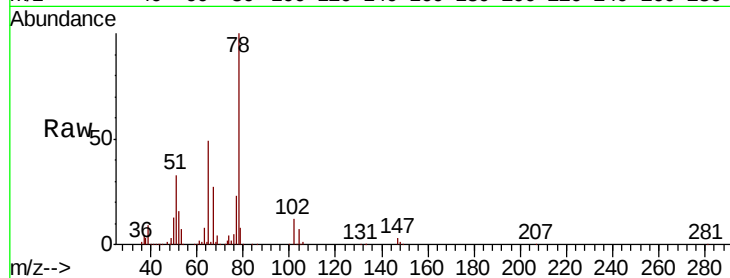
67 56.1 0.0 111.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

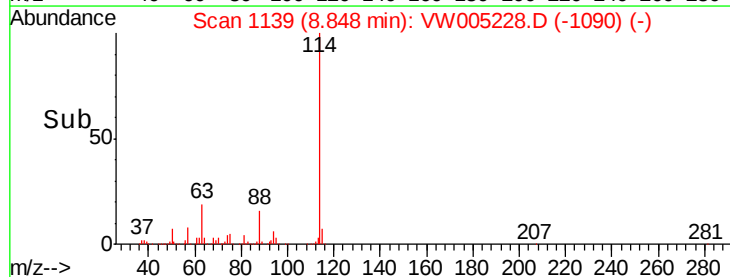
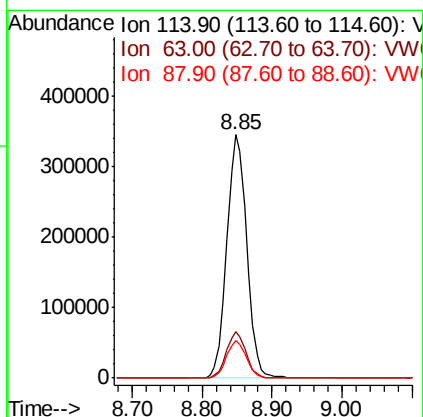
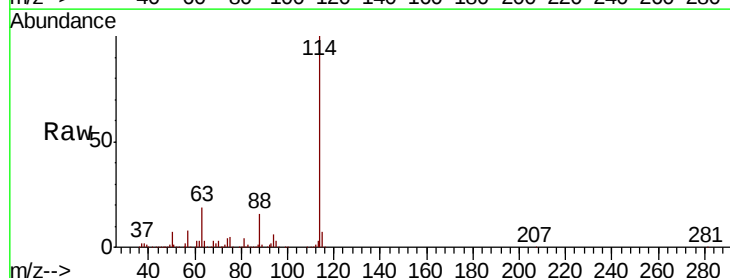
Tgt Ion: 114 Resp: 681817

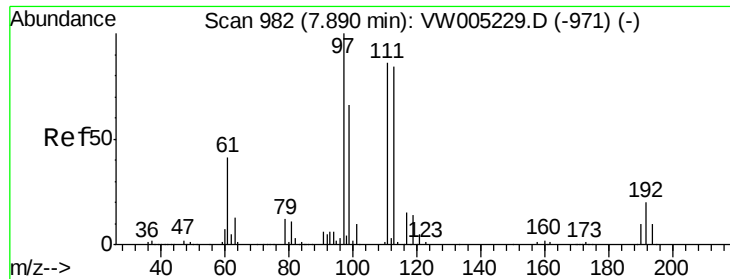
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

88 15.5 0.0 31.2





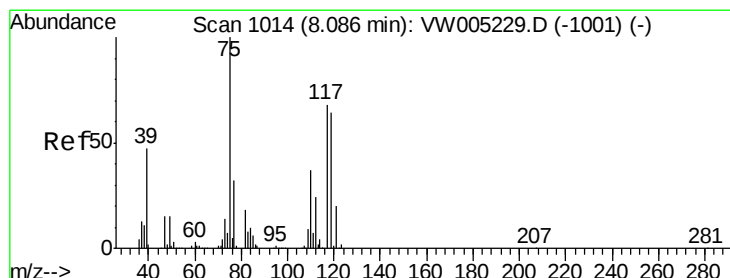
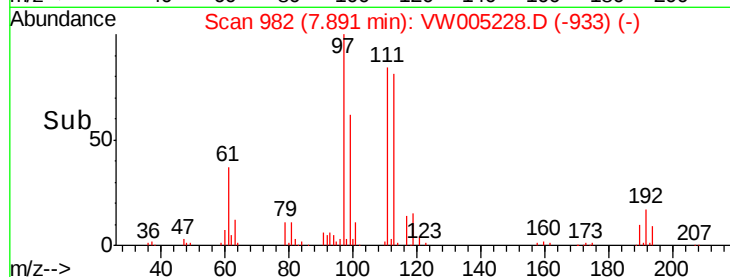
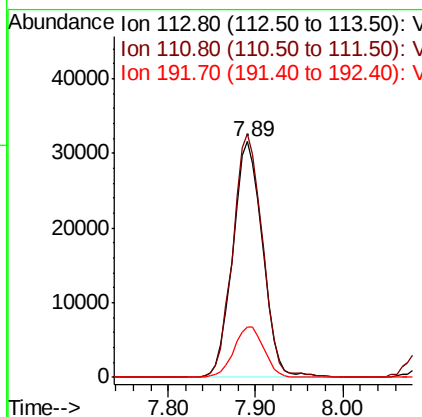
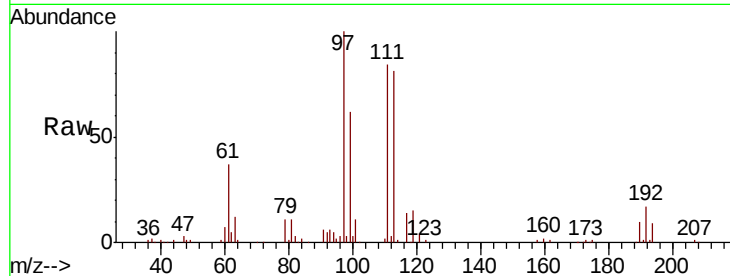
#35
 Dibromofluoromethane
 Concen: 19.09 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	21.7	18.0	27.0

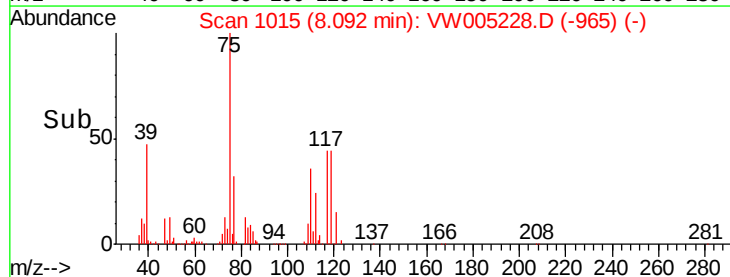
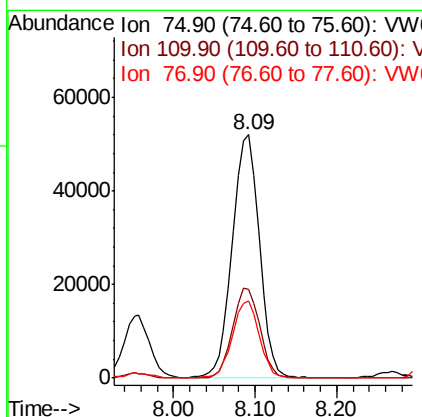
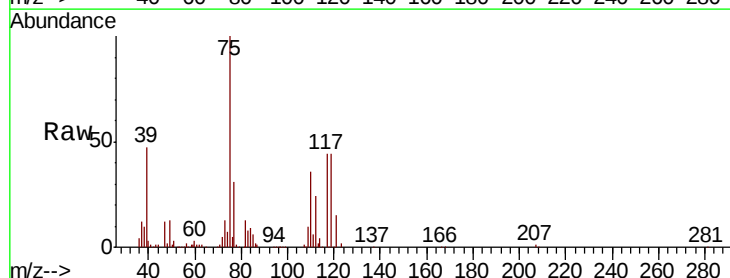
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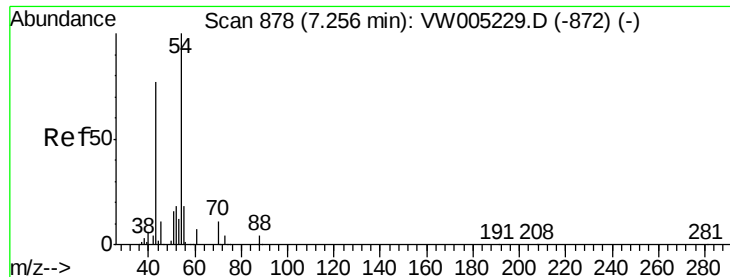
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#36
 1,1-Dichloropropene
 Concen: 18.78 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.8	56.4
77	31.4	25.2	37.8





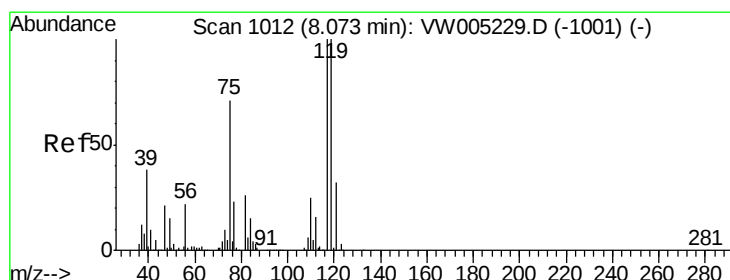
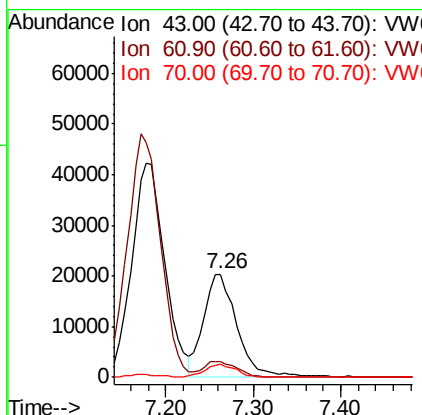
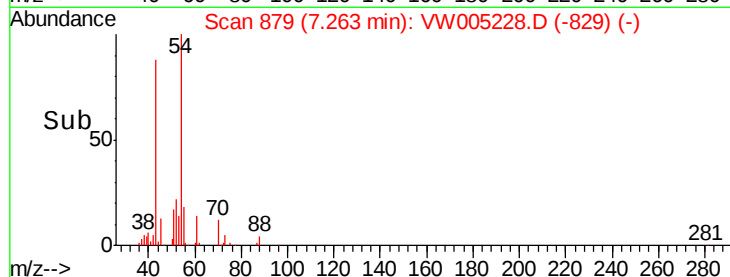
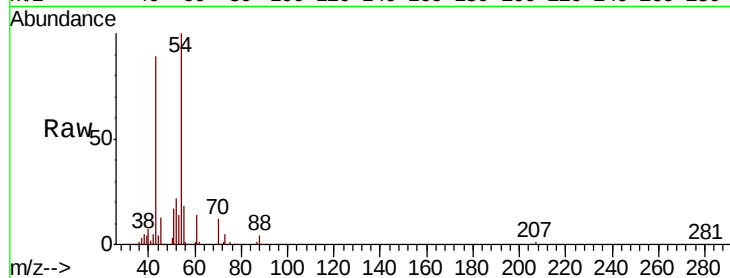
#37
Ethyl Acetate
Concen: 22.01 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.2
70	12.2	9.6	14.4

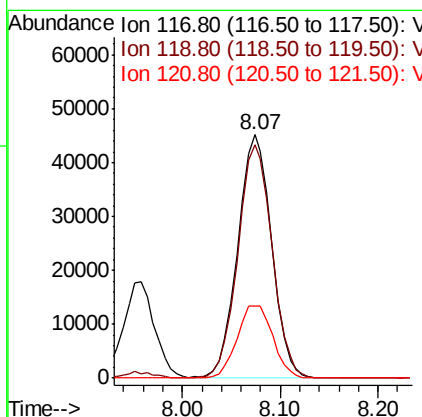
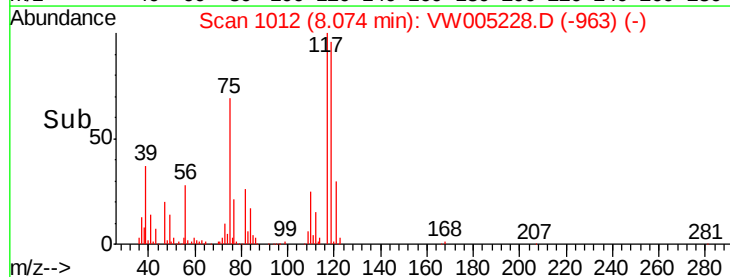
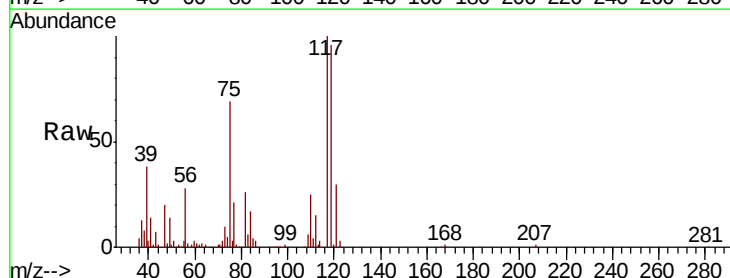
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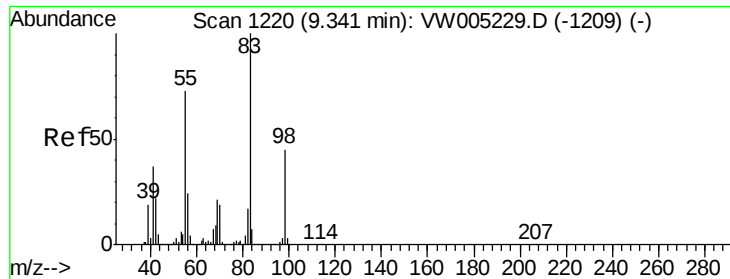
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#38
Carbon Tetrachloride
Concen: 18.01 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.7	119.5
121	29.8	25.4	38.0





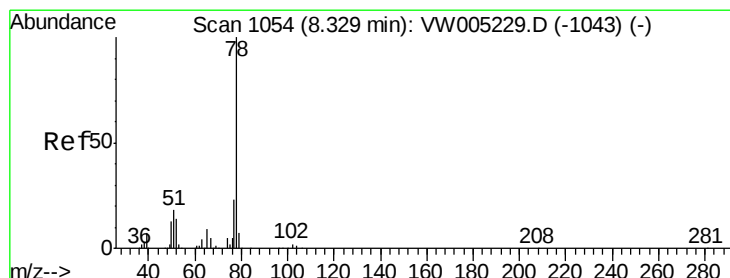
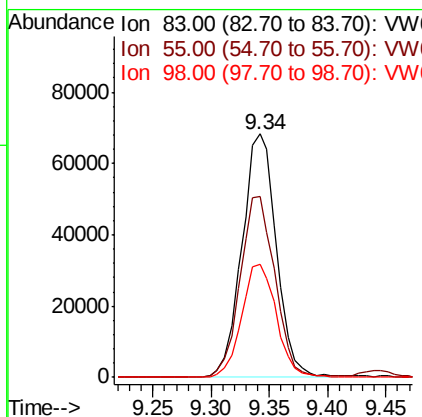
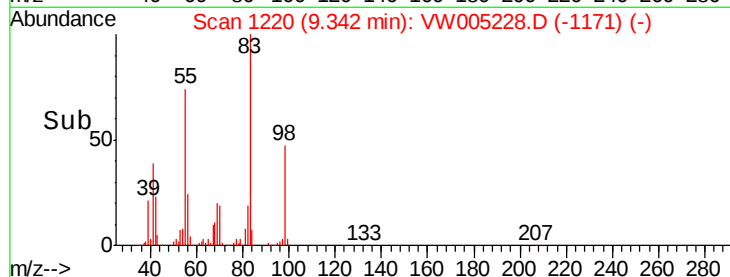
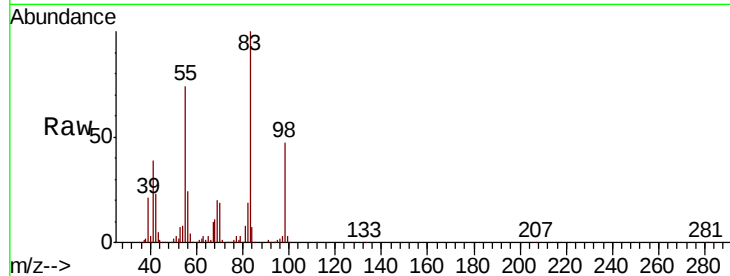
#39
Methvlcvclohexane
Concen: 18.19 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	58.7	88.1
98	46.6	36.1	54.1

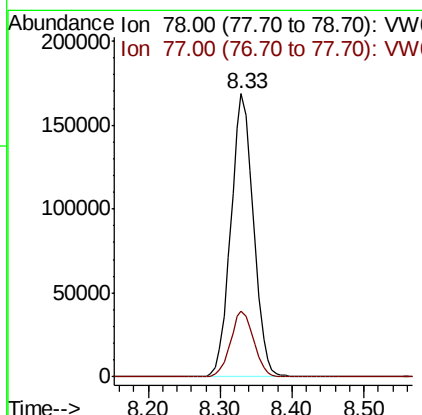
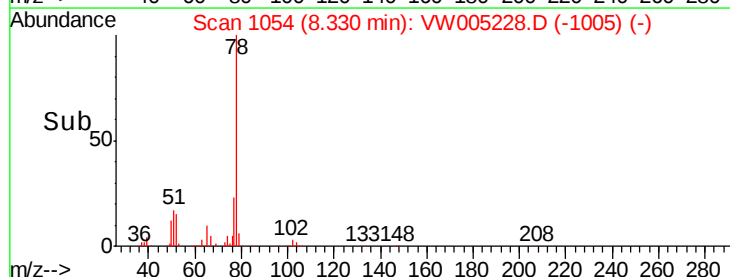
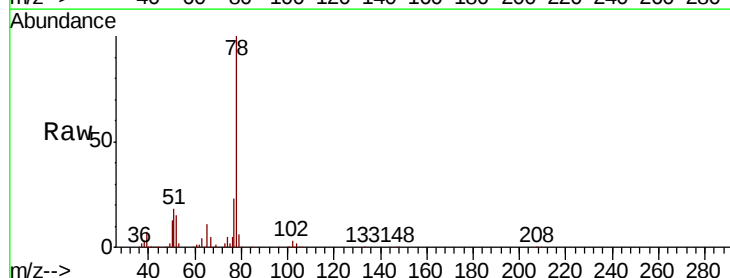
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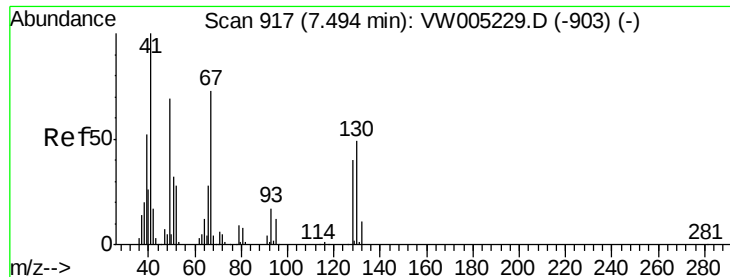
apatel
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#40
Benzene
Concen: 18.88 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	27.8





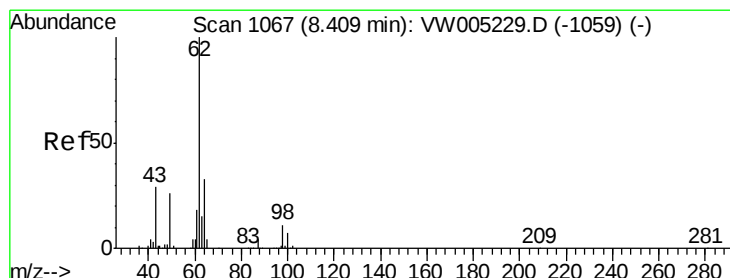
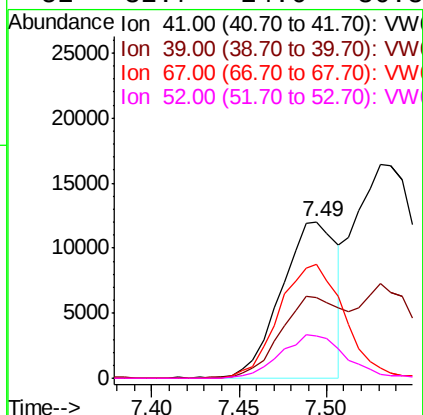
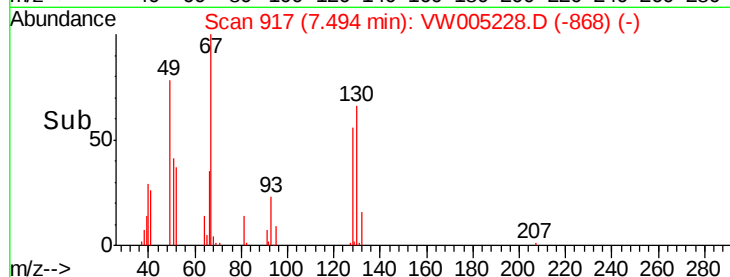
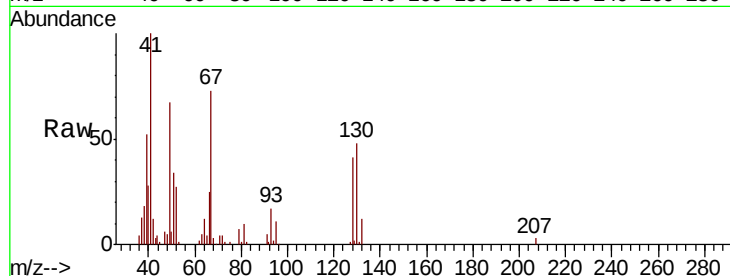
#41
Methacrylonitrile
Concen: 19.40 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	40.8	61.2
67	85.3	63.6	95.4
52	32.7	24.6	36.8

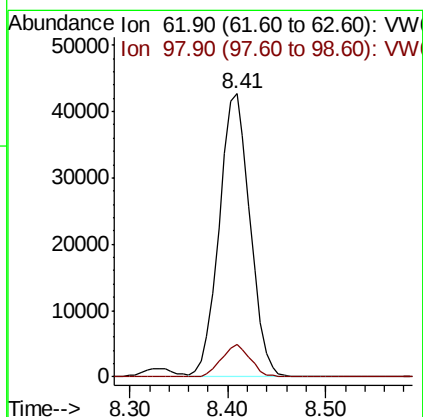
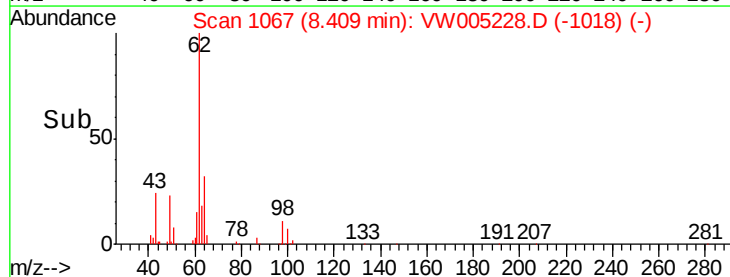
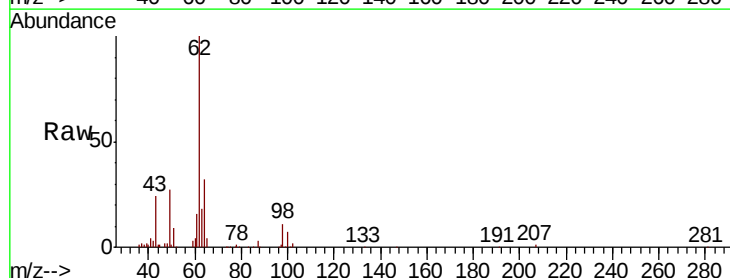
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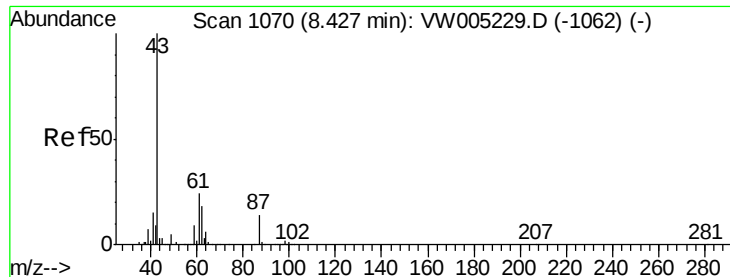
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#42
1,2-Dichloroethane
Concen: 19.54 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 21.36 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

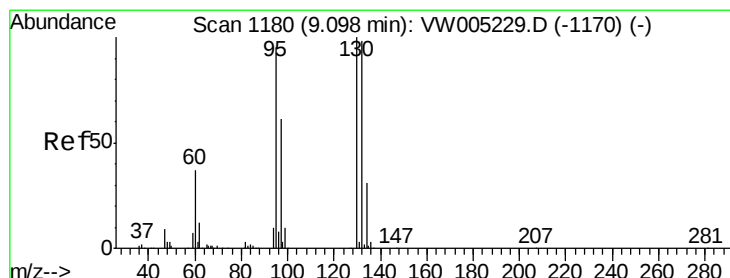
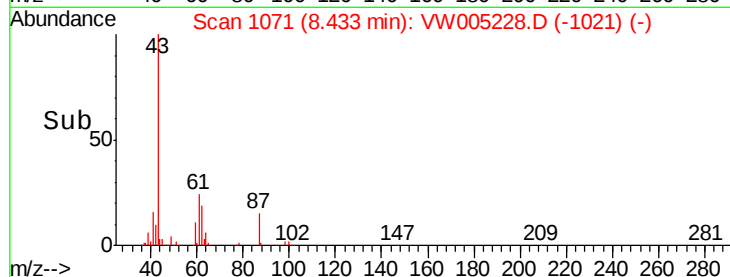
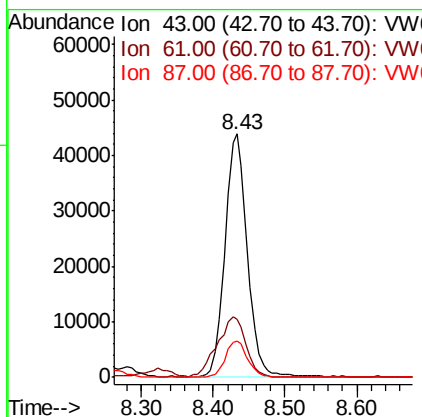
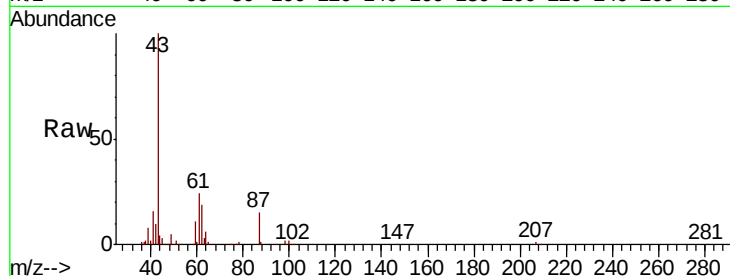
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	94384
Ion	Ratio	Lower	Upper
43	100		
61	32.6	26.6	39.8
87	15.0	12.2	18.2

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#44

Trichloroethene

Concen: 18.95 ug/l

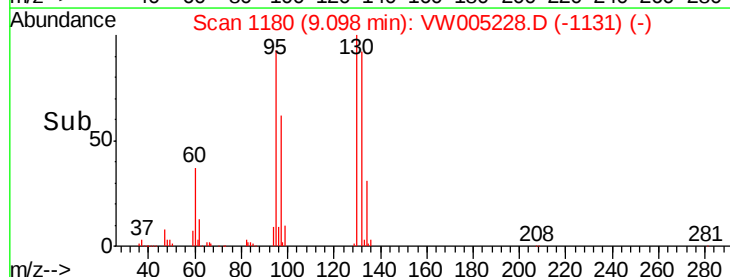
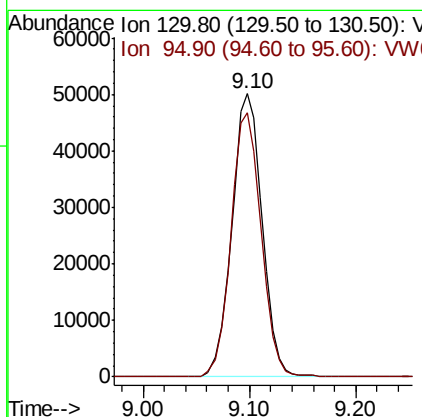
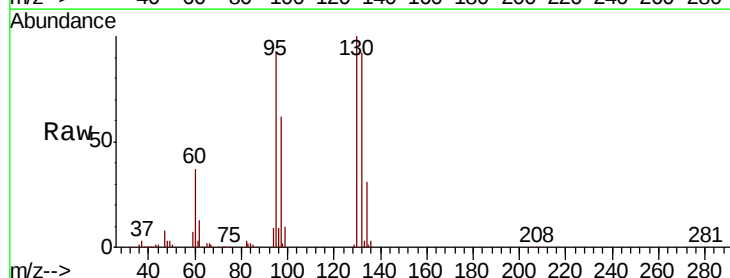
RT: 9.10 min Scan# 1180

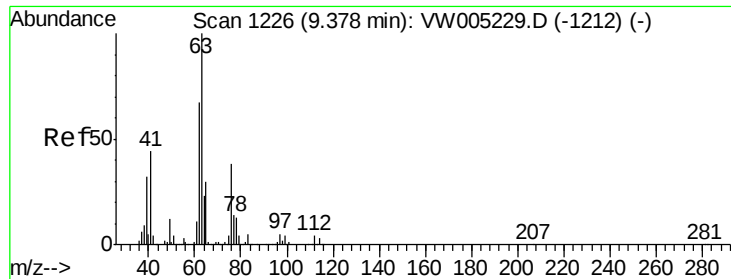
Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:	130	Resp:	99616
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	189.8





#45

1,2-Dichloropropane

Concen: 18.43 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 87632

Ion Ratio Lower Upper

63 100

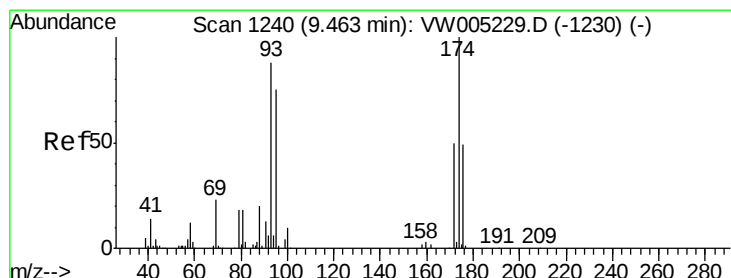
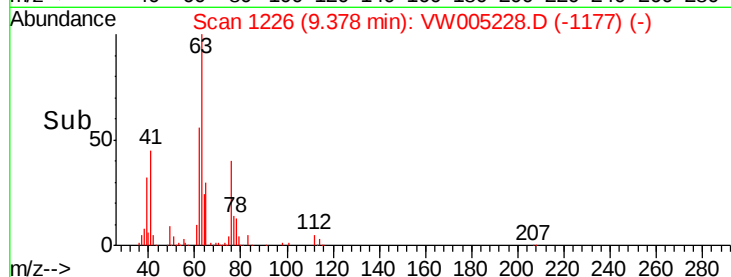
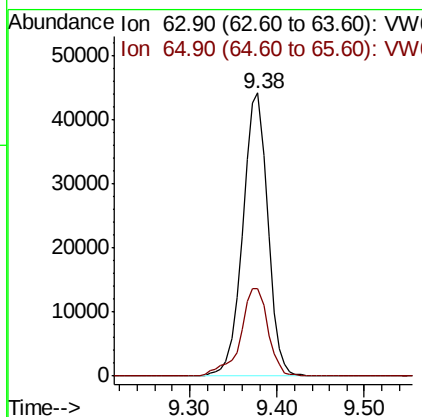
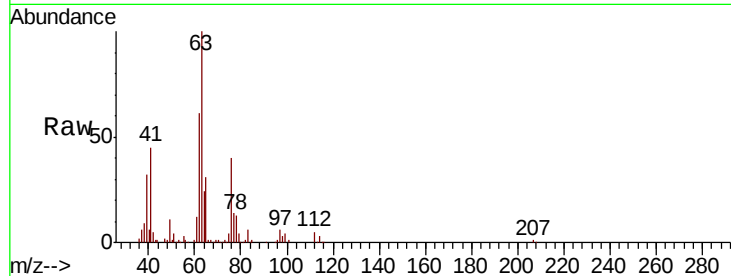
65 31.0 23.8 35.8

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#46

Dibromomethane

Concen: 18.30 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

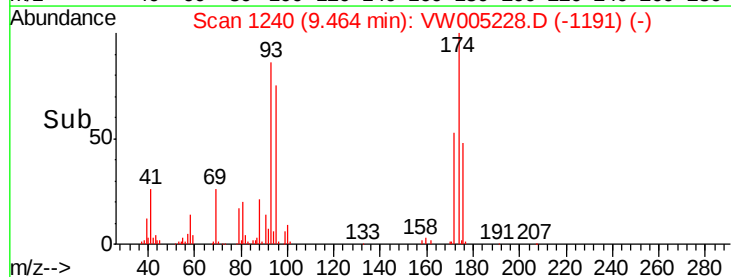
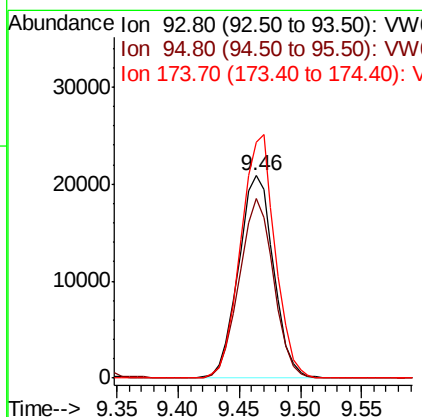
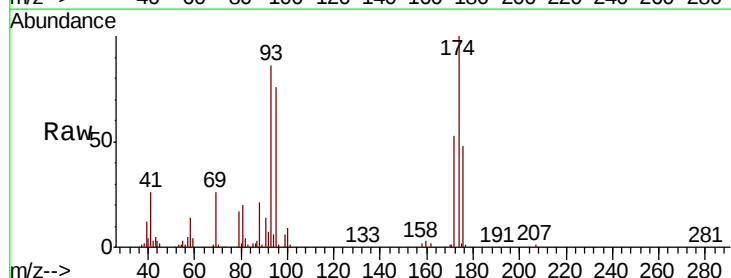
Tgt Ion: 93 Resp: 41633

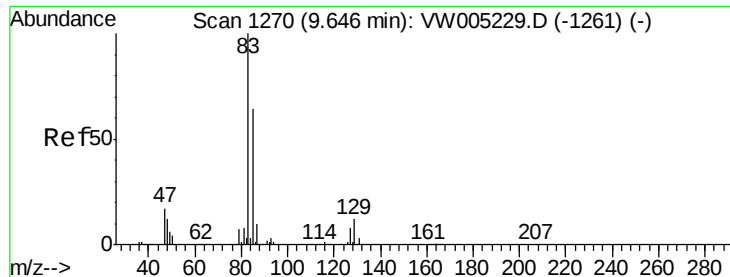
Ion Ratio Lower Upper

93 100

95 86.6 67.4 101.2

174 117.5 91.9 137.9





#47

Bromodichloromethane

Concen: 17.81 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

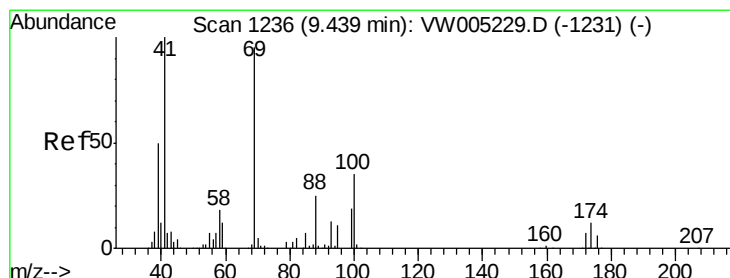
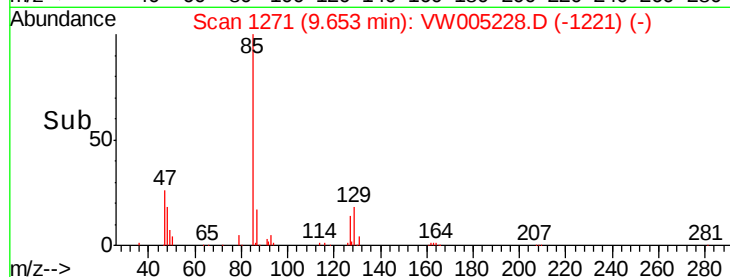
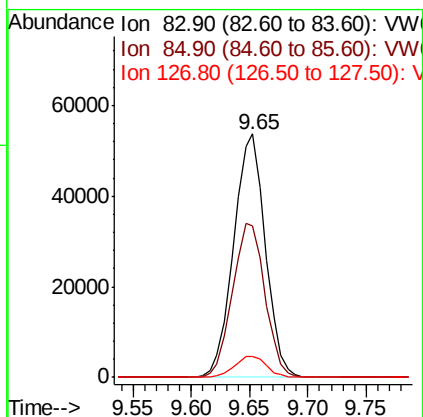
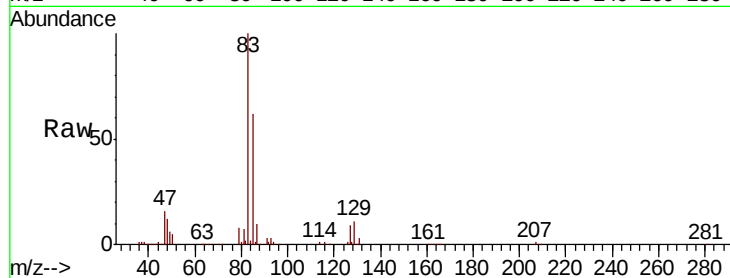
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	101825
Ion Ratio	Lower	Upper	
83	100		
85	62.2	51.0	76.6
127	8.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 19.20 ug/l

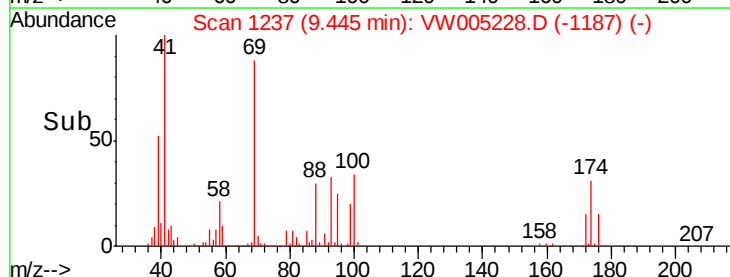
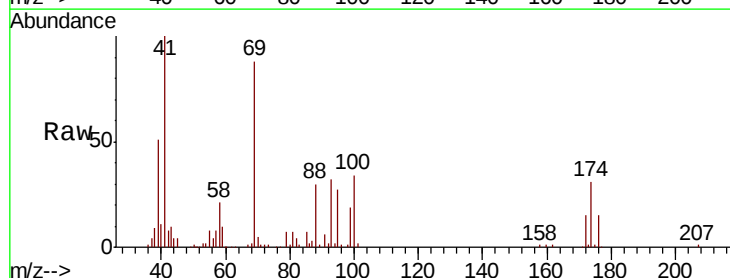
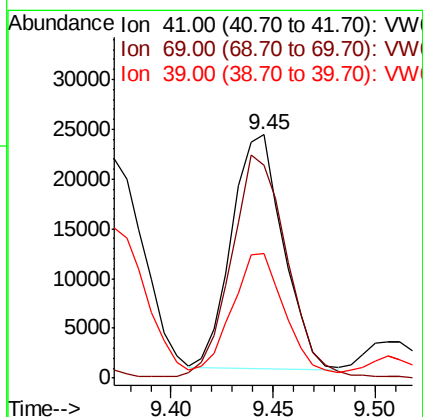
RT: 9.45 min Scan# 1237

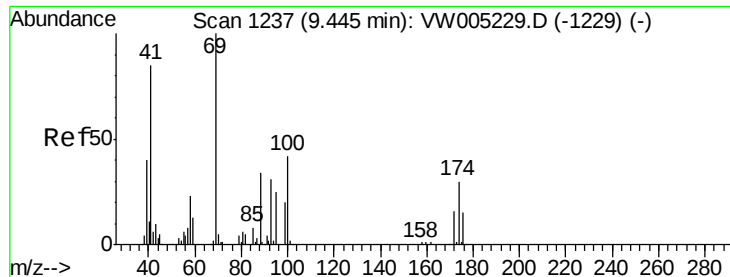
Delta R.T. 0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:	41	Resp:	41496
Ion Ratio	Lower	Upper	
41	100		
69	102.5	73.6	110.4
39	55.3	36.9	55.3#





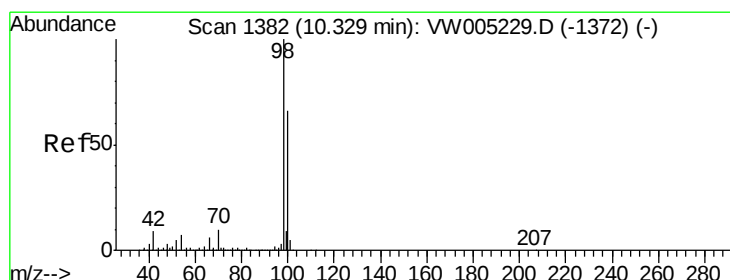
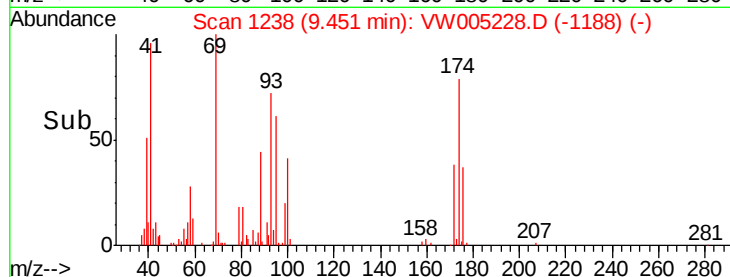
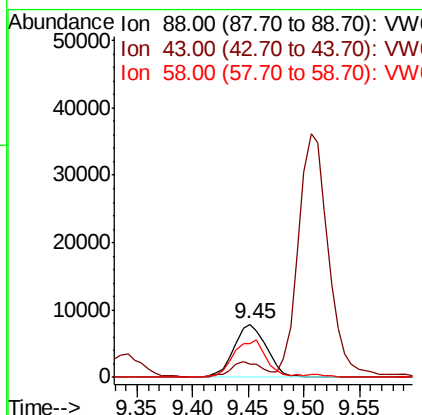
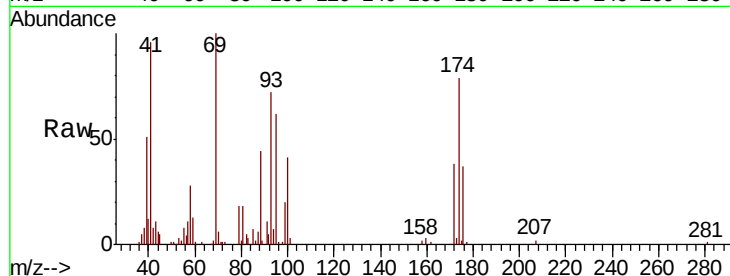
#49
1,4-Dioxane
Concen: 432.07 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.0	22.1	33.1
58	69.9	53.8	80.6

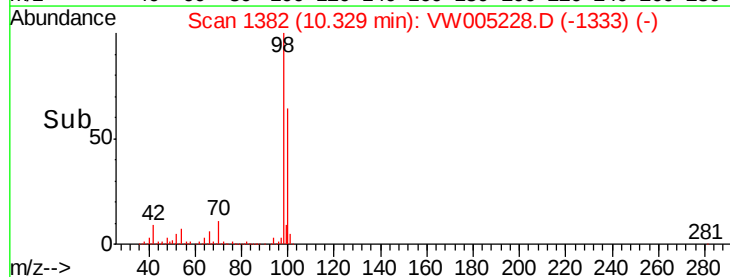
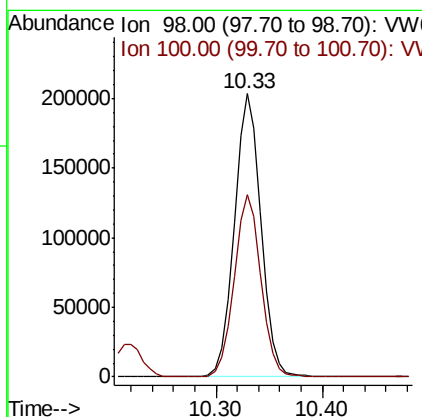
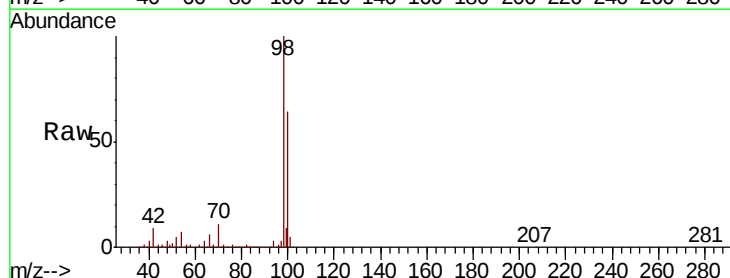
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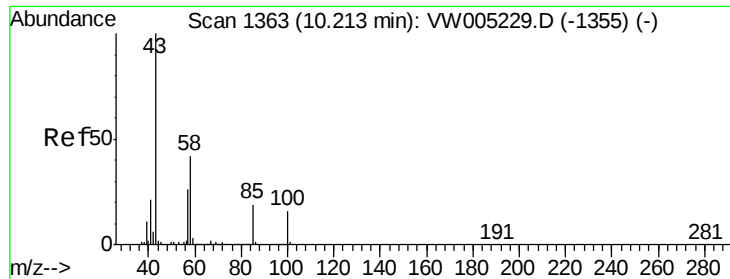
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#50
Toluene-d8
Concen: 19.63 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 89.56 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 256189

Ion Ratio Lower Upper

43 100

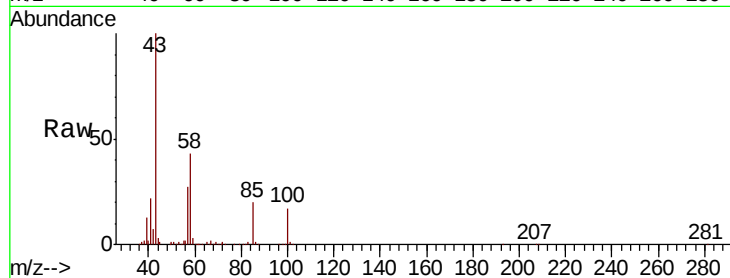
58 42.6 33.3 49.9

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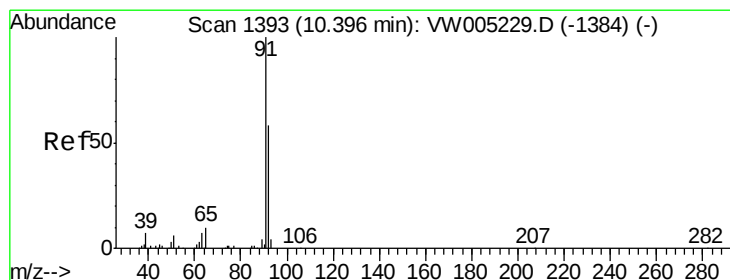
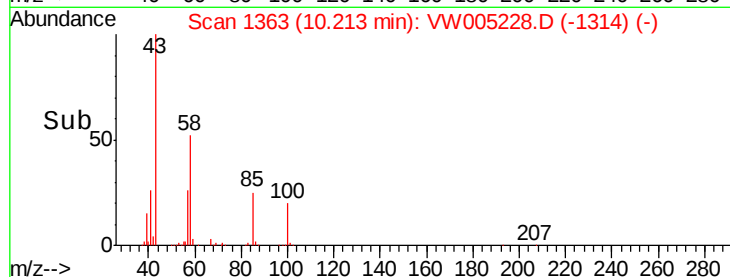
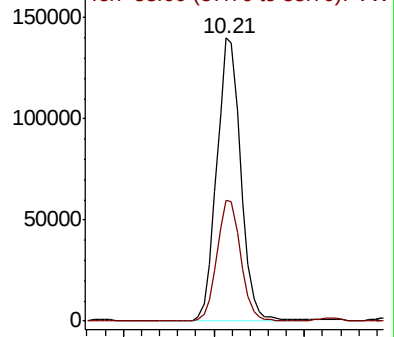
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.77 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005228.D

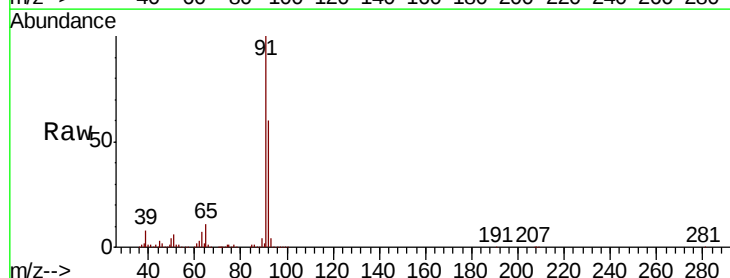
Acq: 08 Sep 2018 00:37

Tgt Ion: 92 Resp: 261648

Ion Ratio Lower Upper

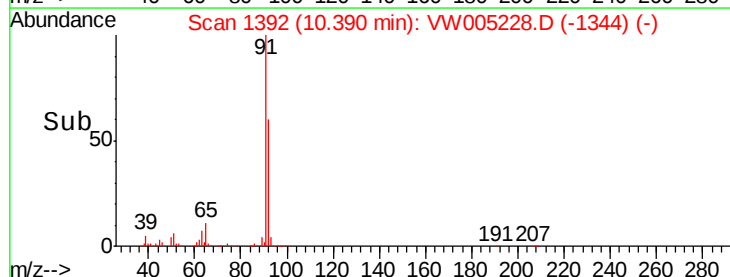
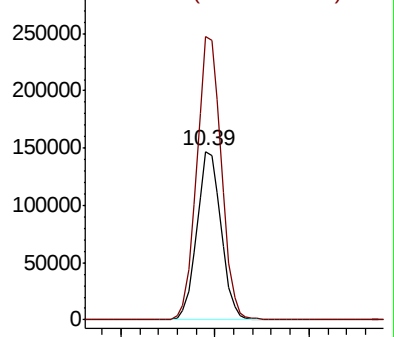
92 100

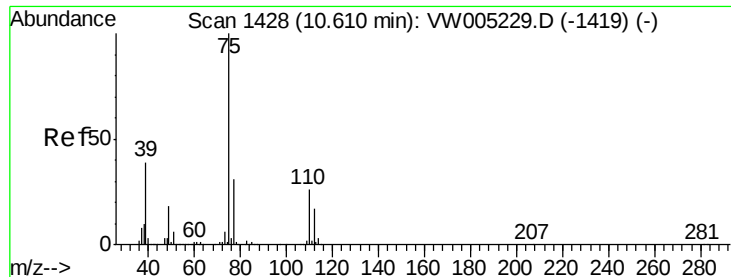
91 171.0 137.4 206.0



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: 19.51 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 110483

Ion Ratio Lower Upper

75 100

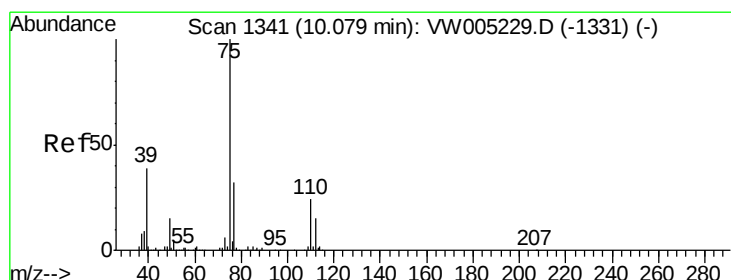
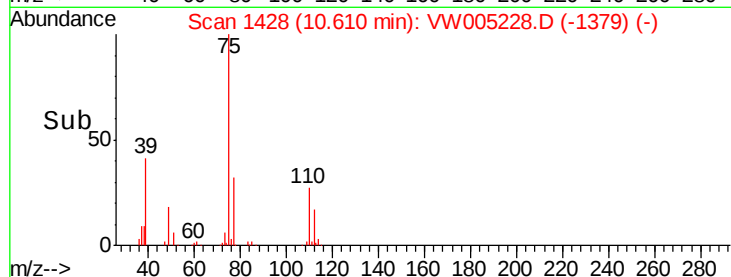
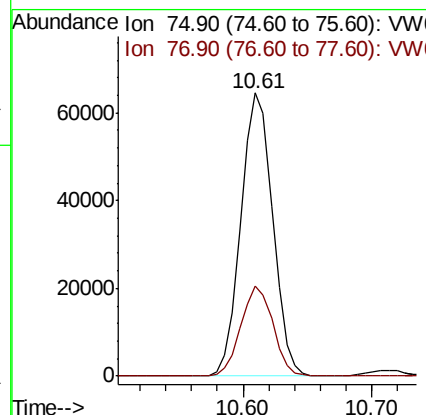
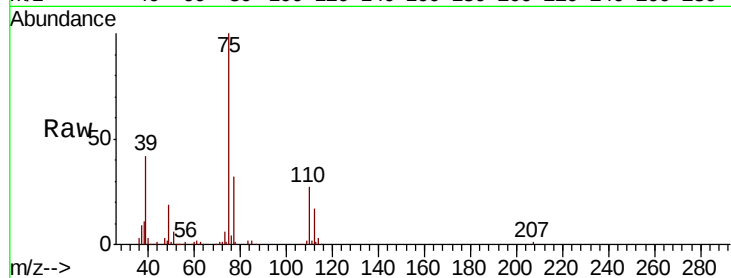
77 31.6 24.7 37.1

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#54

cis-1,3-Dichloropropene

Concen: 19.70 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

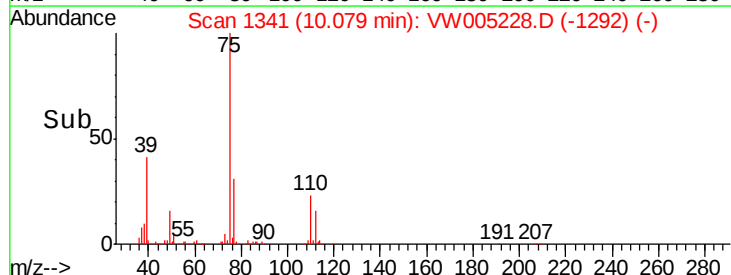
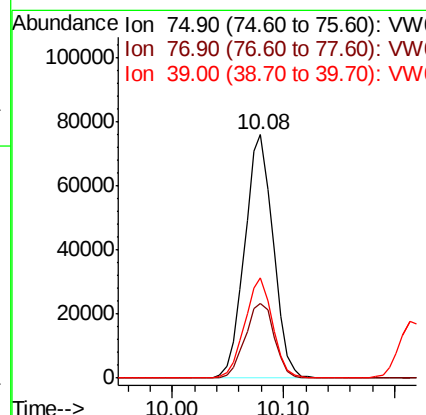
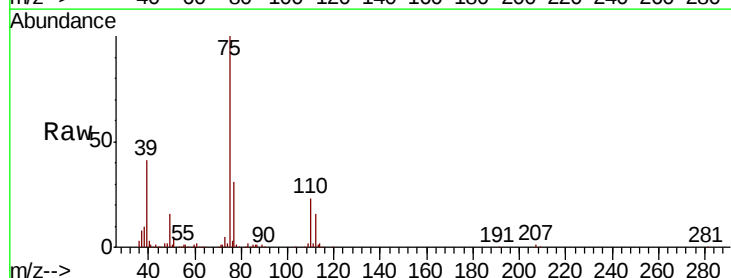
Tgt Ion: 75 Resp: 134860

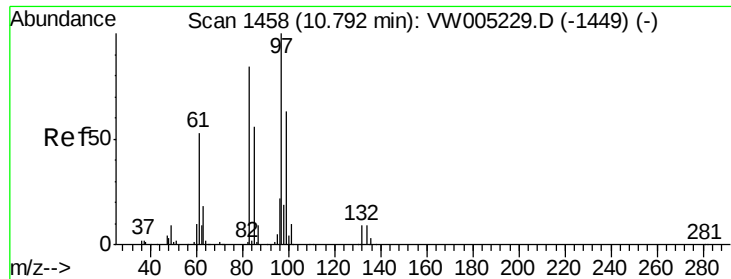
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 41.1 31.2 46.8





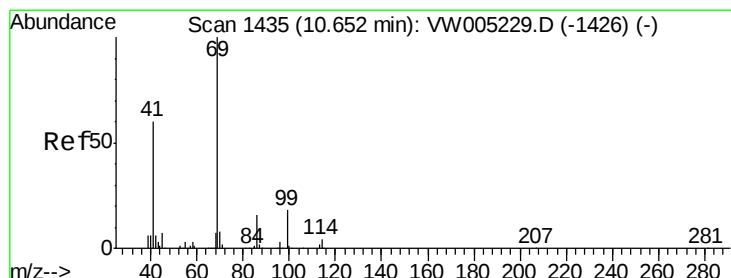
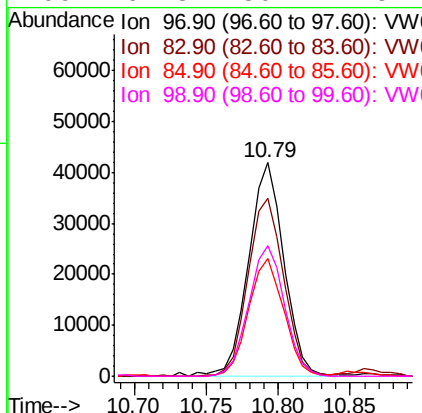
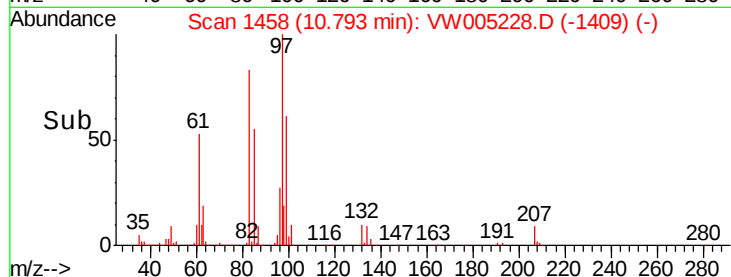
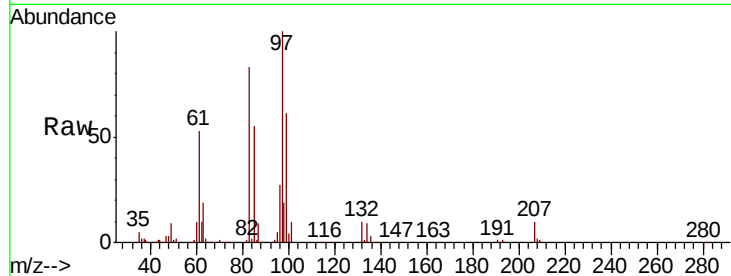
#55
 1,1,2-Trichloroethane
 Concen: 20.07 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	71051
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.4	101.0
85	55.3	44.6	66.8
99	61.3	50.1	75.1

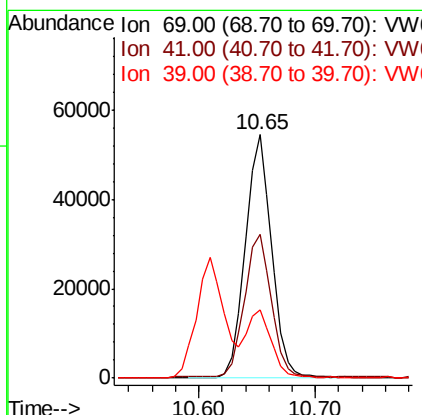
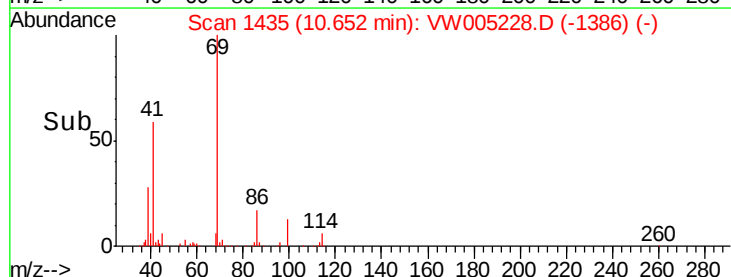
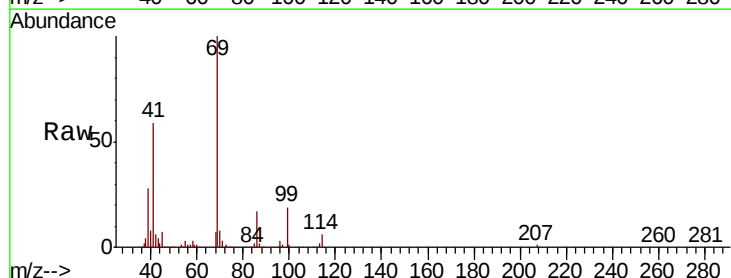
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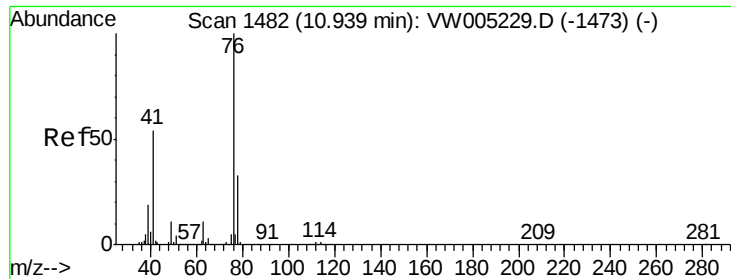
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#56
 Ethyl methacrylate
 Concen: 20.95 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion:	69	Resp:	86164
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.9	71.9
39	25.5	20.9	31.3





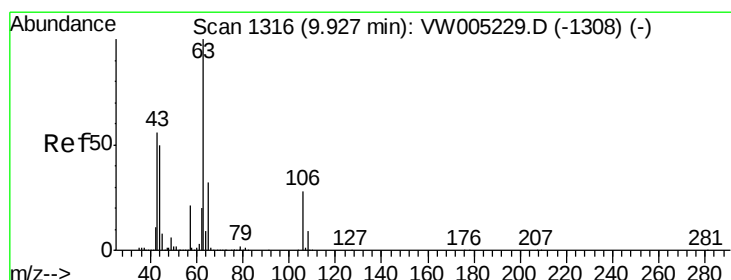
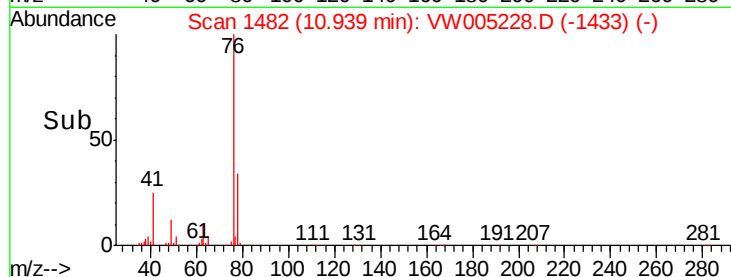
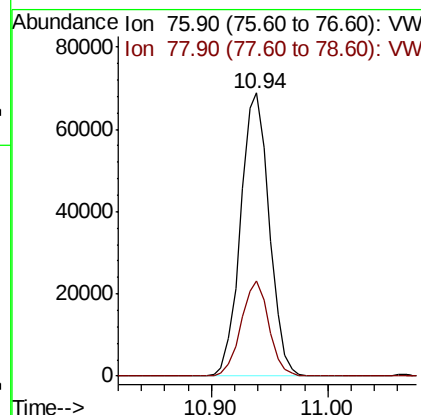
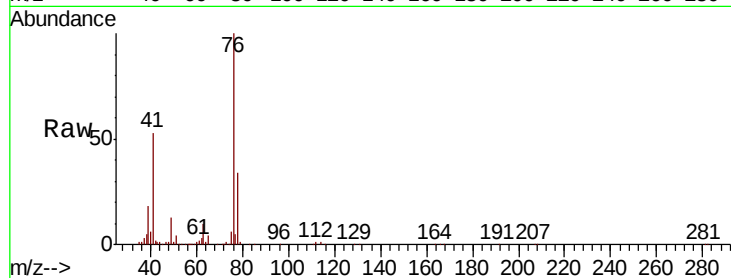
#57
 1,3-Dichloropropane
 Concen: 20.23 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

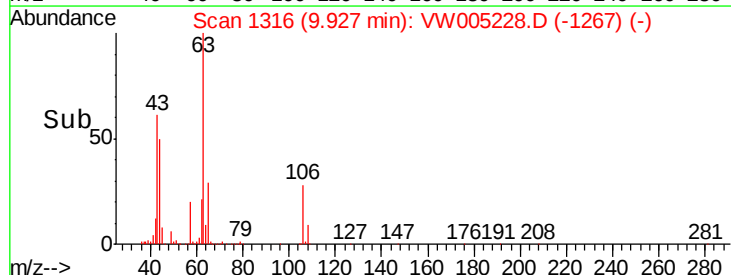
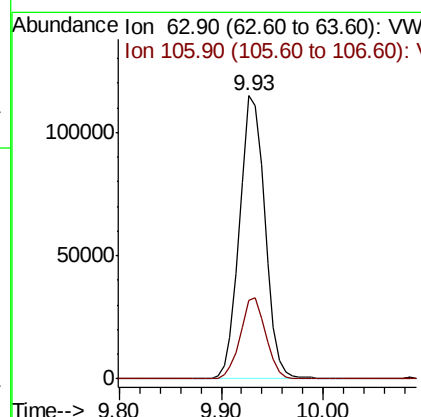
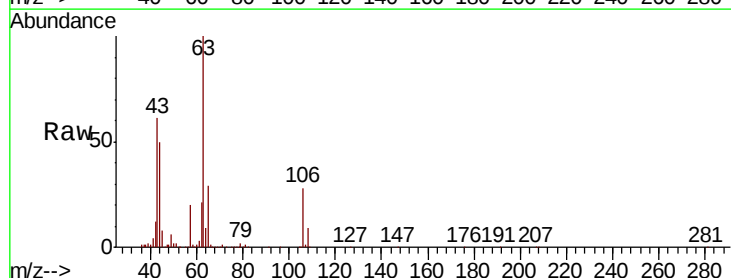
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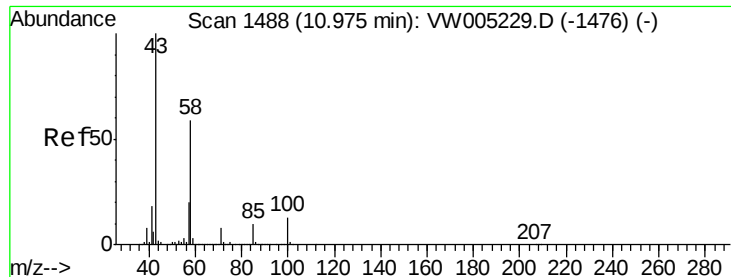
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.42 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.3	34.9





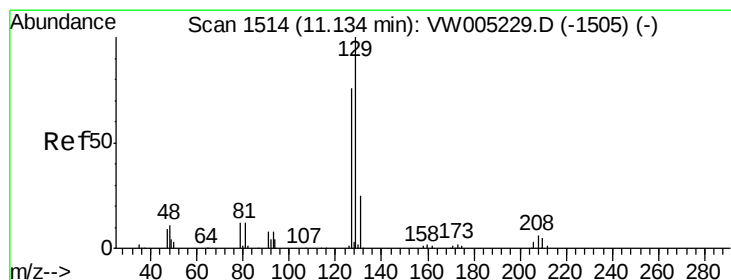
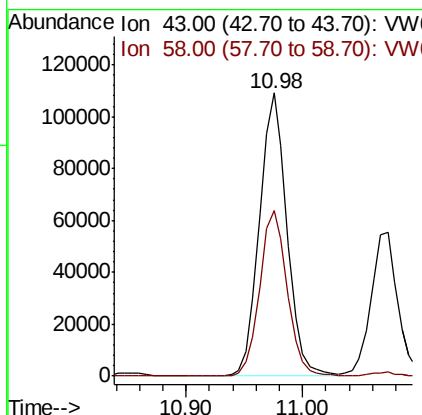
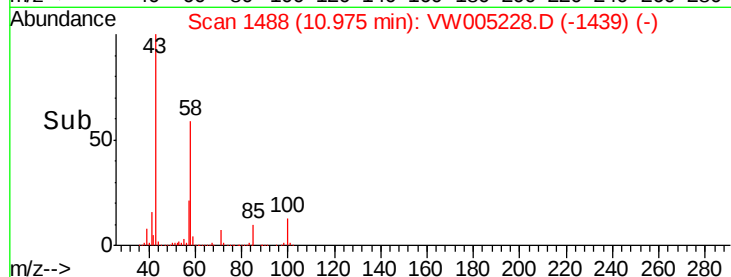
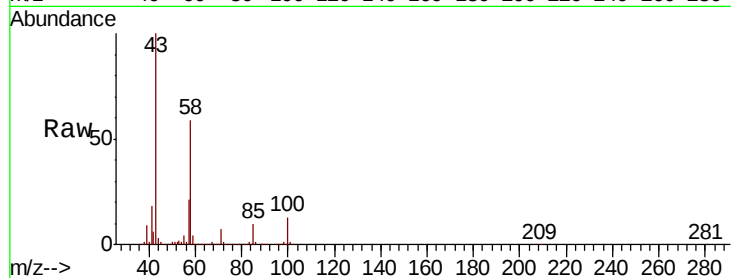
#59
2-Hexanone
Concen: 91.45 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 177738
Ion Ratio Lower Upper
43 100
58 58.7 29.2 87.6

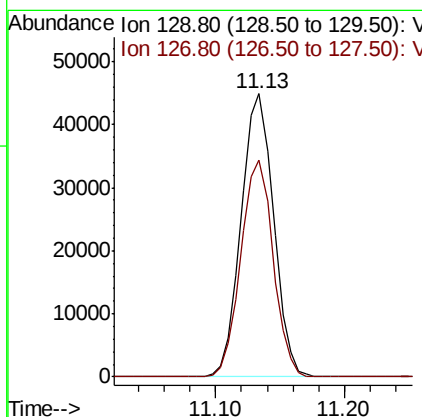
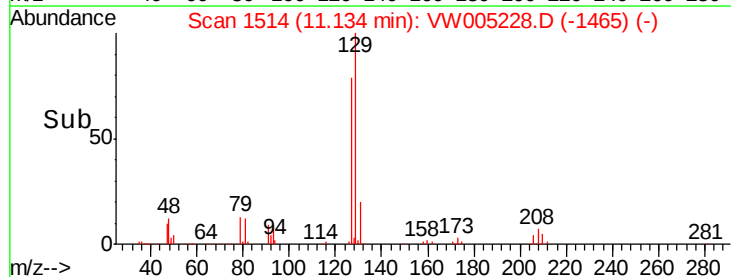
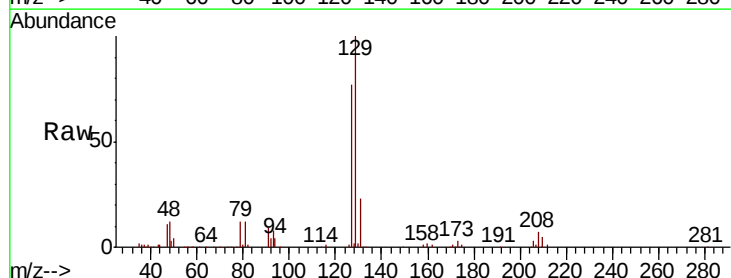
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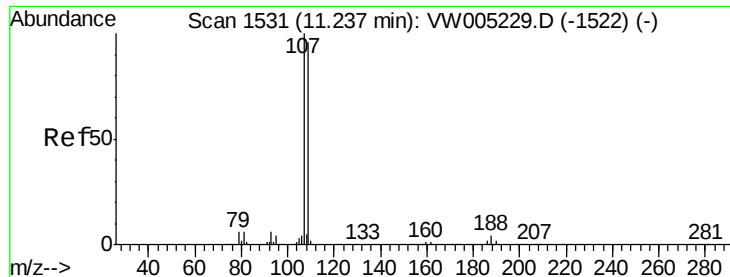
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#60
Dibromochloromethane
Concen: 19.52 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 129 Resp: 78155
Ion Ratio Lower Upper
129 100
127 76.2 38.7 116.1





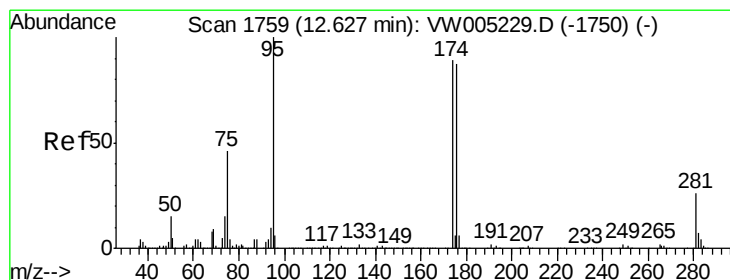
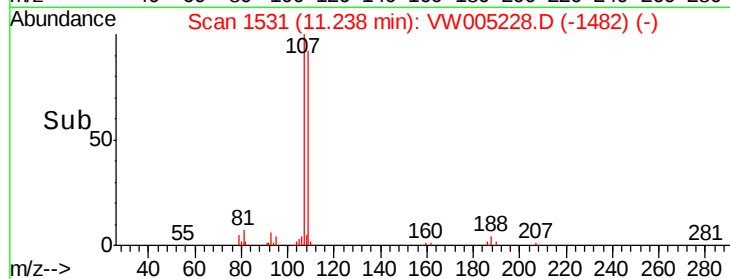
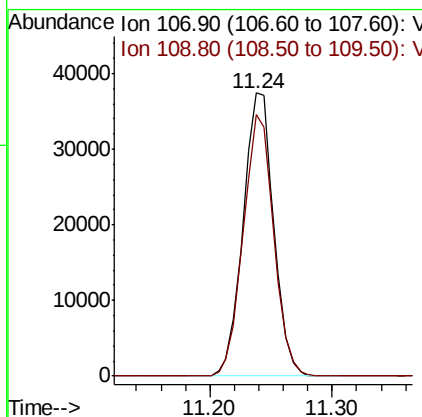
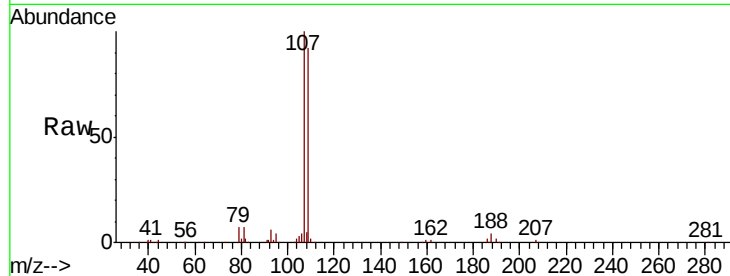
#61
 1,2-Dibromoethane
 Concen: 20.21 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 64992
 Ion Ratio Lower Upper
 107 100
 109 92.2 76.6 115.0

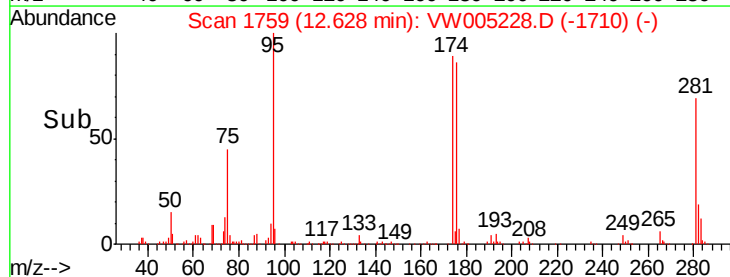
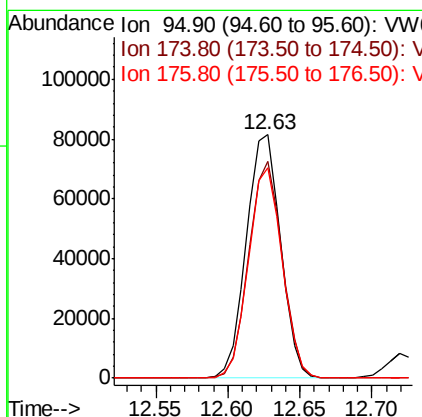
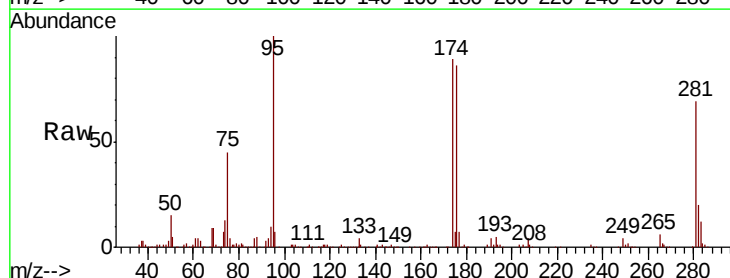
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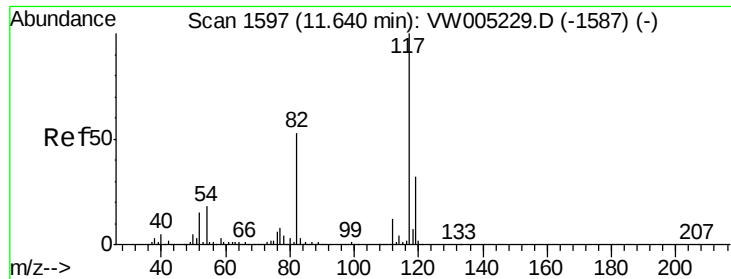
apatel
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#62
 4-Bromofluorobenzene
 Concen: 20.74 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion: 95 Resp: 133638
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 173.2
 176 85.2 0.0 167.2





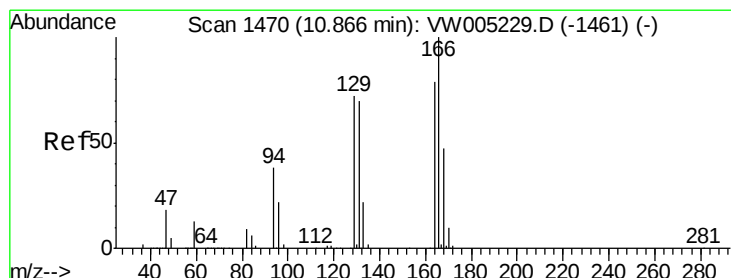
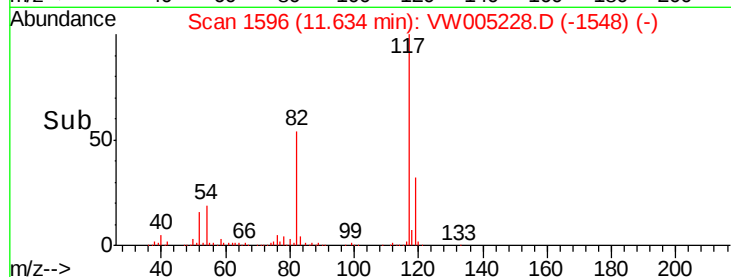
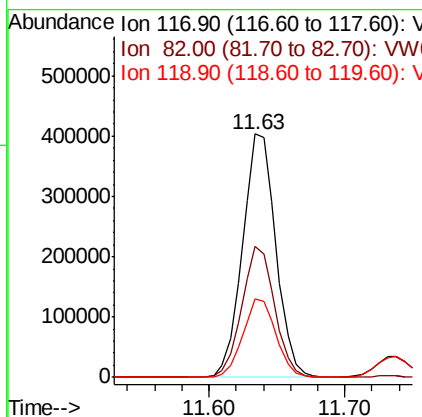
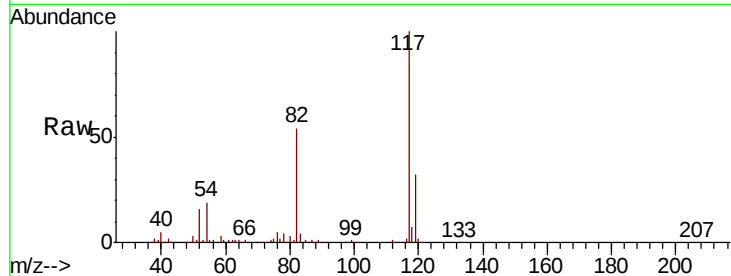
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.3	63.5
119	32.1	25.7	38.5

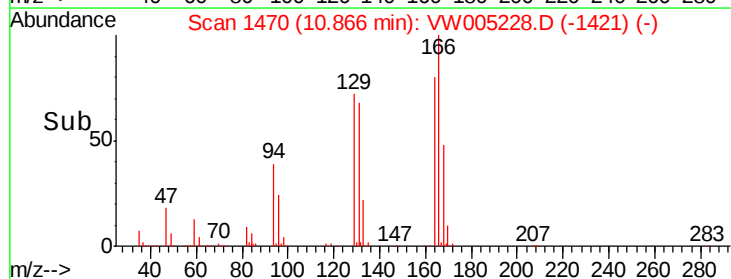
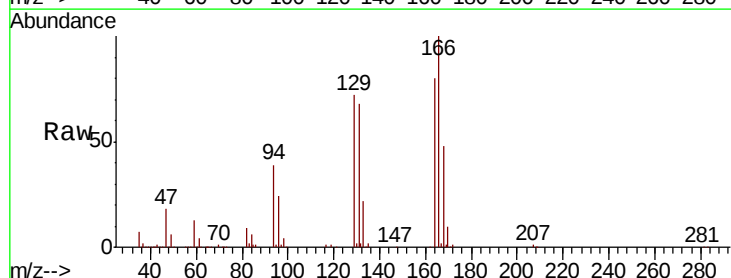
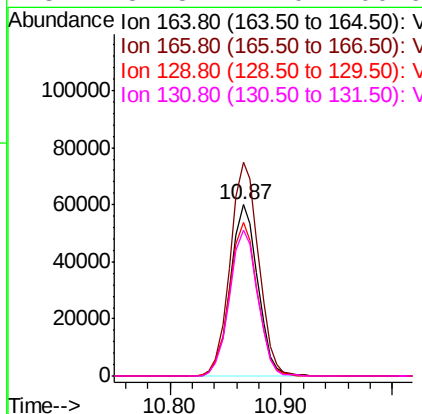
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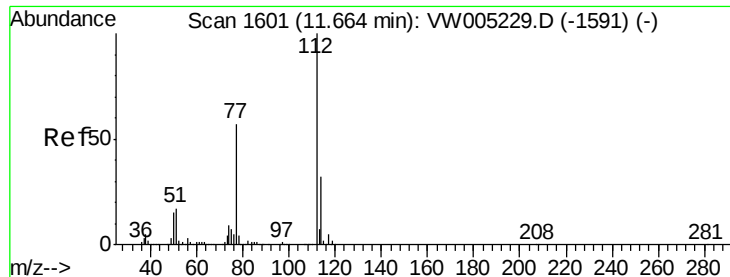
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#64
Tetrachloroethene
Concen: 19.01 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	101.0	151.6
129	89.7	73.0	109.4
131	84.8	71.0	106.6





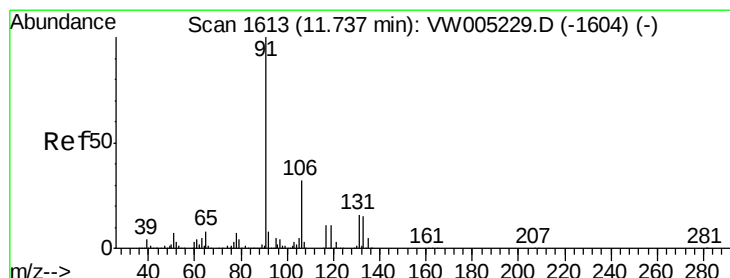
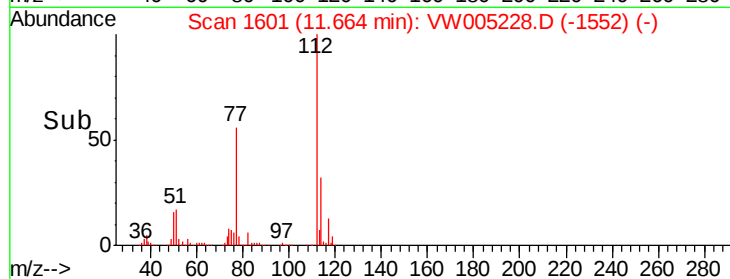
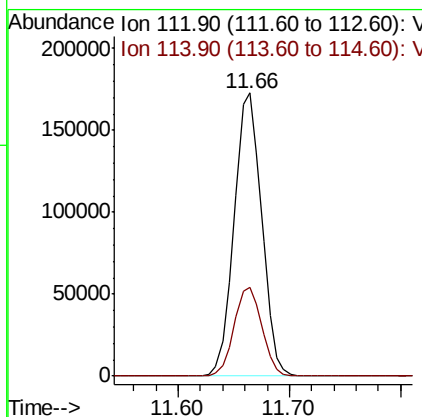
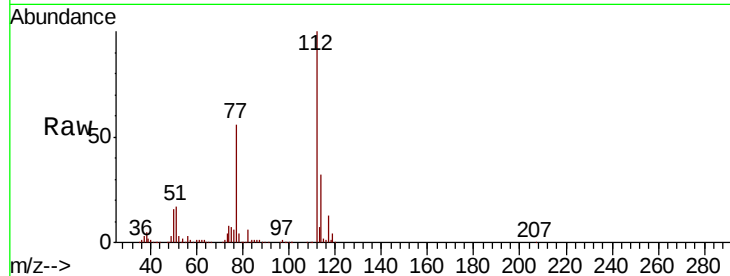
#65
Chlorobenzene
Concen: 19.29 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.7	38.5

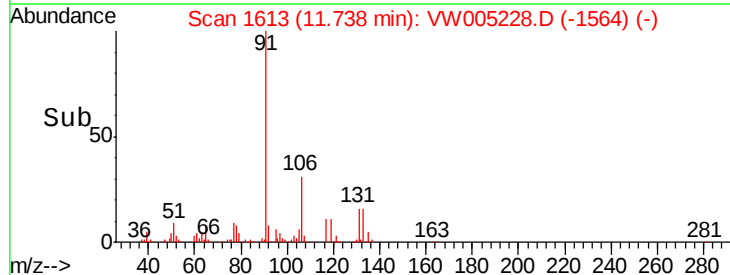
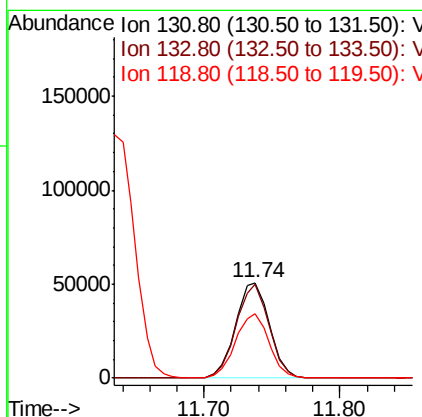
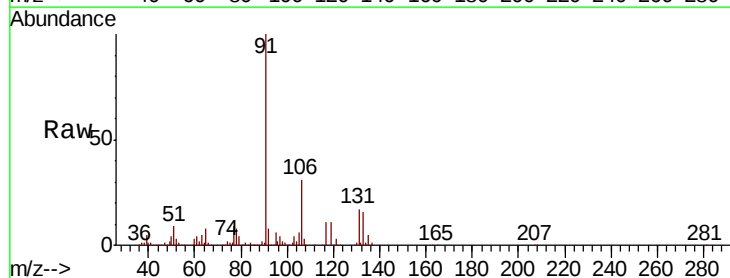
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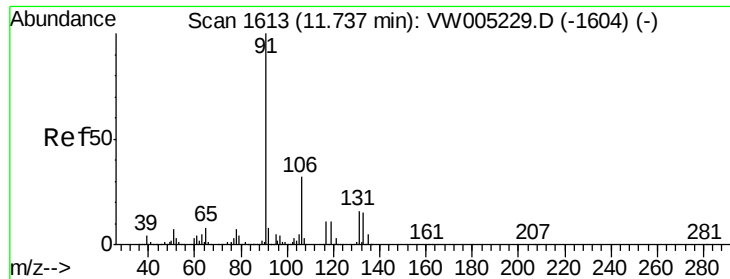
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.83 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.6
119	66.5	33.3	99.8





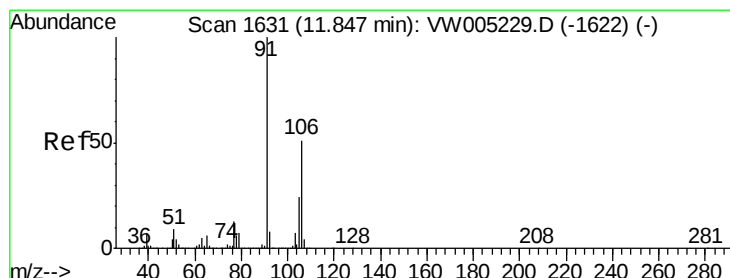
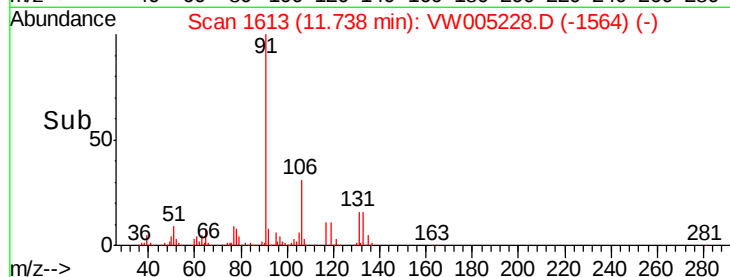
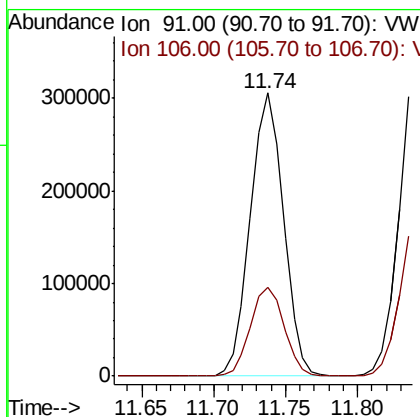
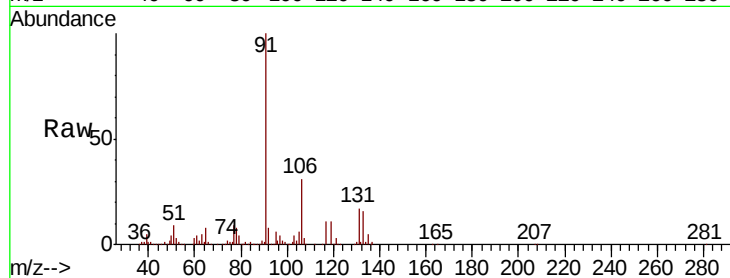
#67
Ethyl Benzene
Concen: 18.87 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 488223
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

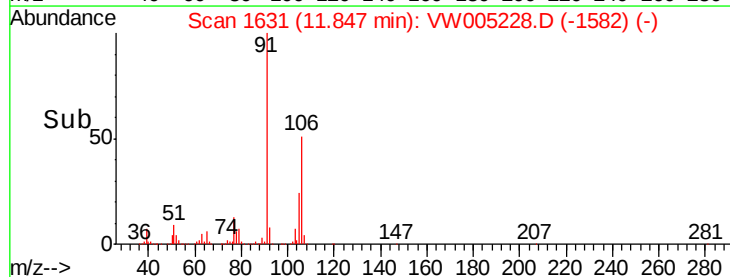
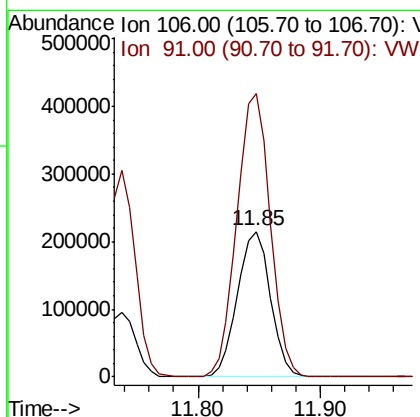
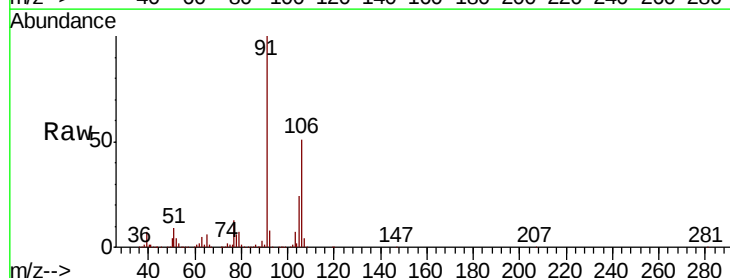
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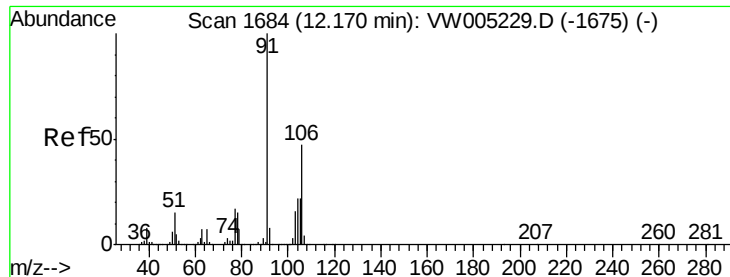
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#68
m/p-Xylenes
Concen: 38.99 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion: 106 Resp: 403439
Ion Ratio Lower Upper
106 100
91 196.3 157.4 236.2





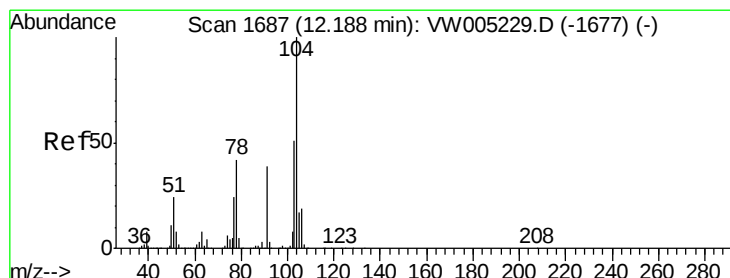
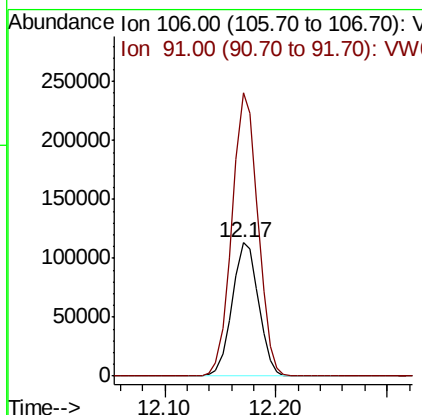
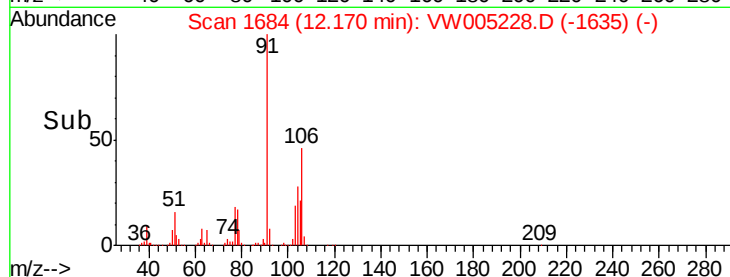
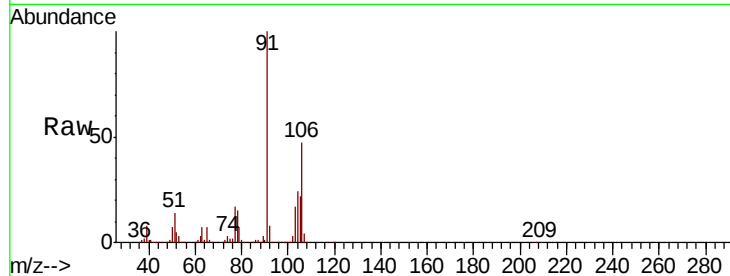
#69
o-Xylene
Concen: 19.38 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	186140		
91	91	208.7	104.5	313.3	

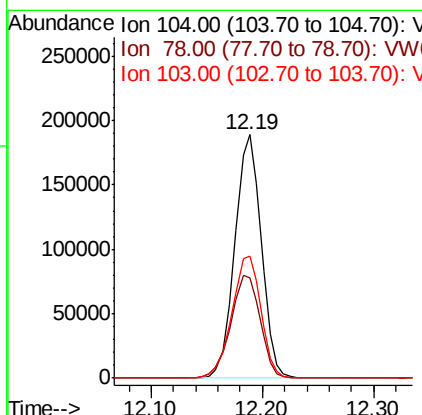
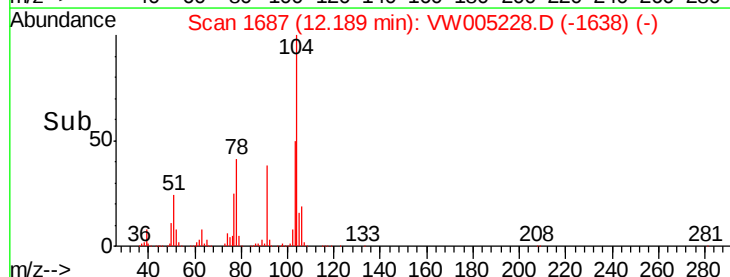
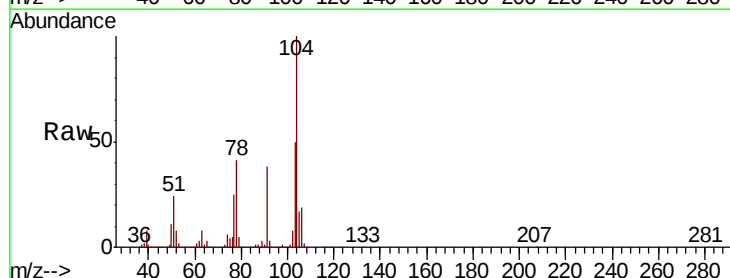
Manual Integrations
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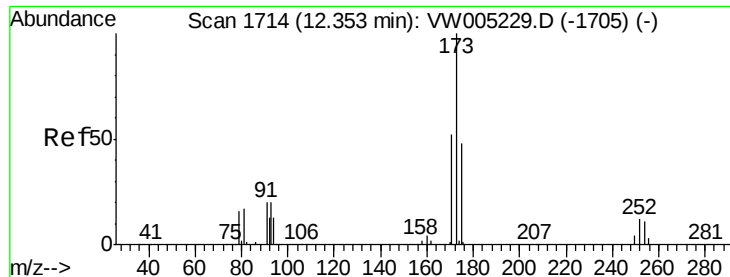
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#70
Styrene
Concen: 19.64 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	310594		
78	78	47.1	37.9	56.9	
103	103	54.9	44.1	66.1	





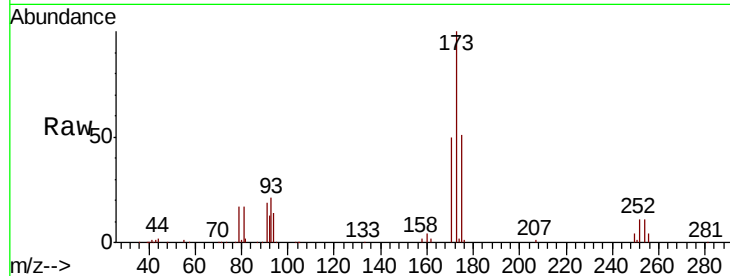
#71
Bromoform
Concen: 19.50 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.0	72.0
254	0.0	0.1	0.1#

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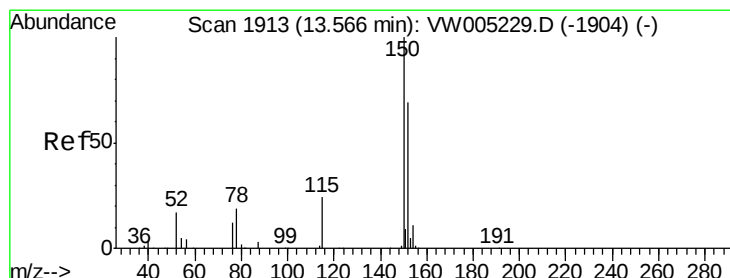
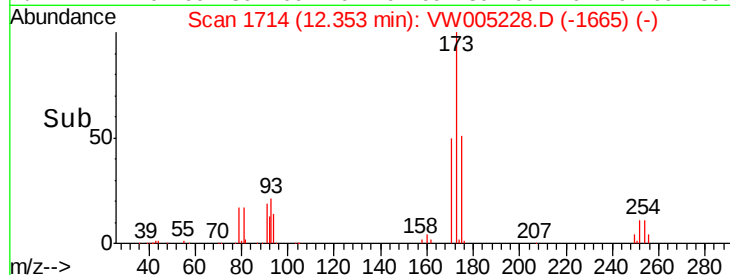
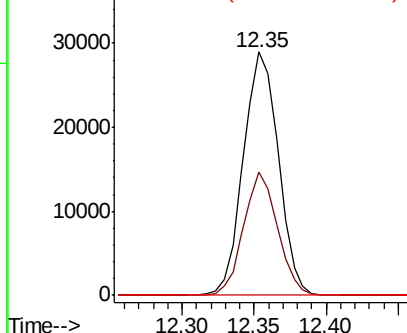


Abundance

Ion 172.70 (172.40 to 173.40): V

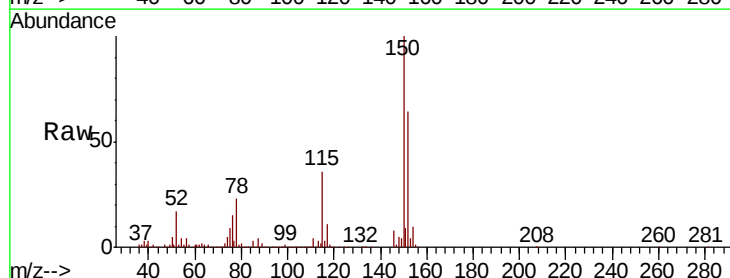
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.1	84.3
150	163.4	0.0	351.4

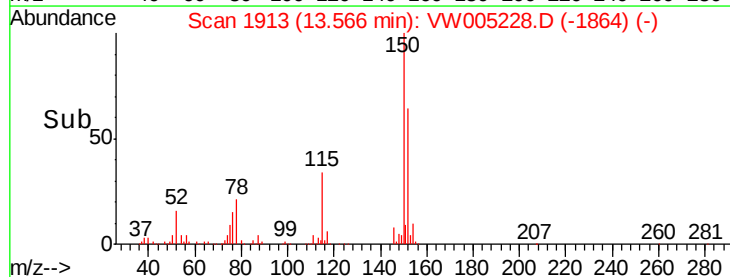
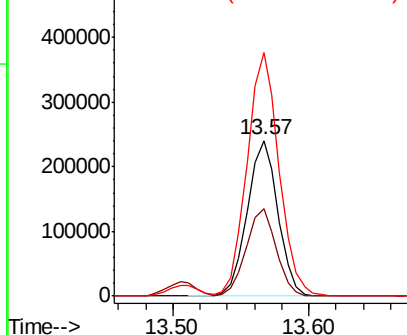


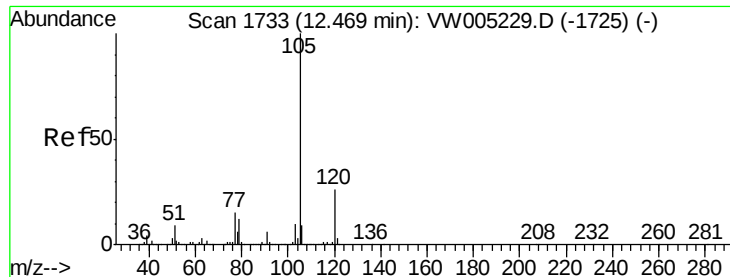
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.56 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 488188

Ion Ratio Lower Upper

105 100

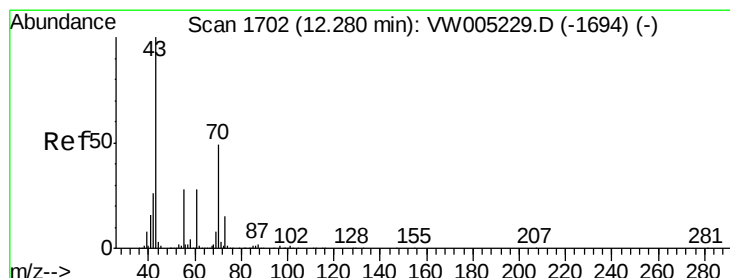
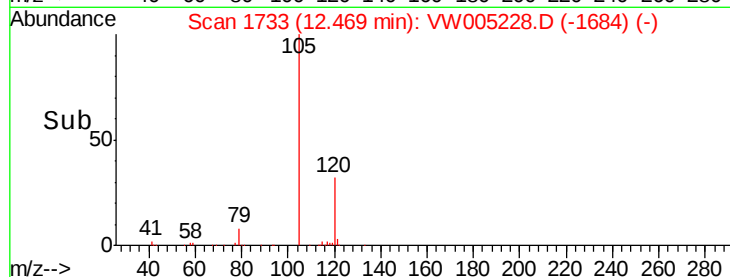
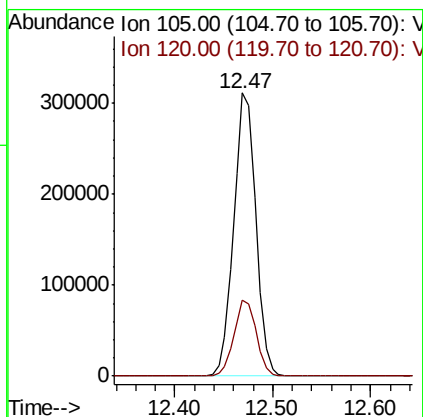
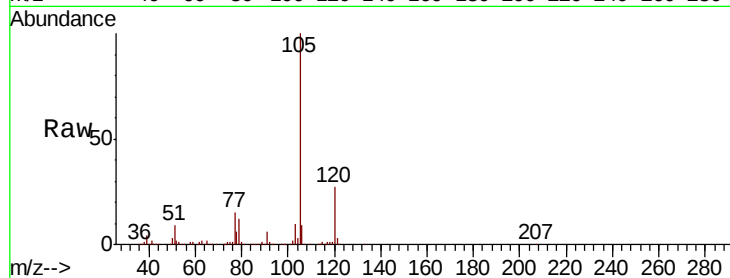
120 27.1 13.4 40.1

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#74

N-ethyl acetate

Concen: 21.24 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion: 43 Resp: 99240

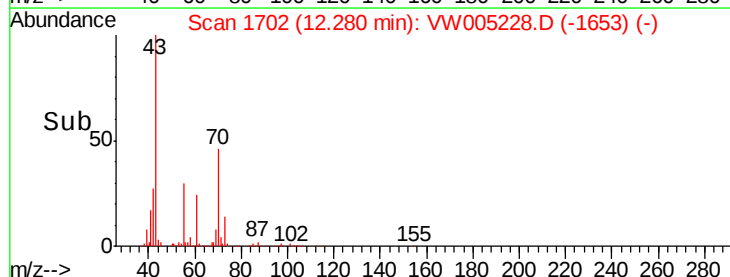
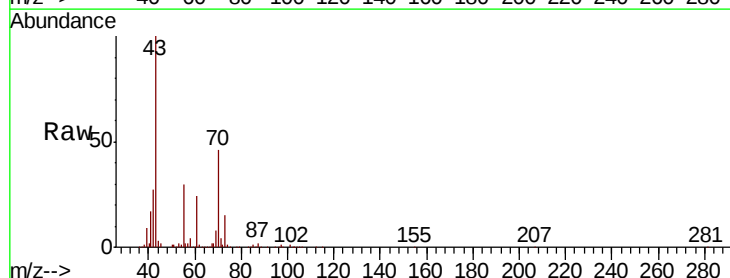
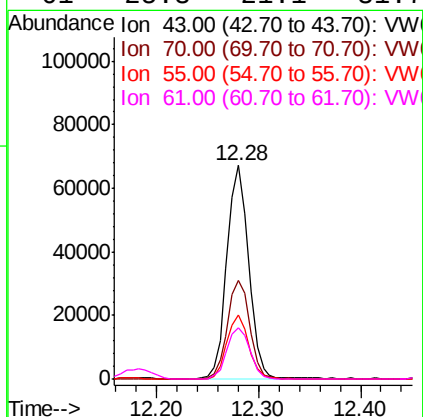
Ion Ratio Lower Upper

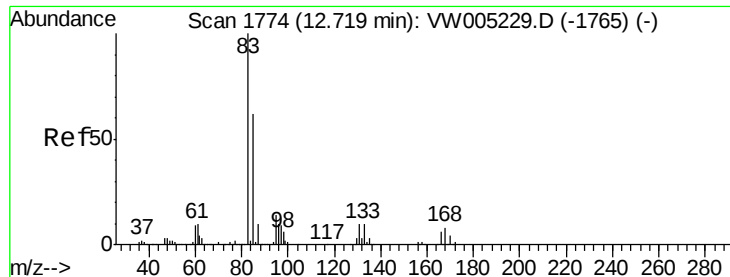
43 100

70 47.2 38.3 57.5

55 30.2 22.5 33.7

61 25.3 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.60 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

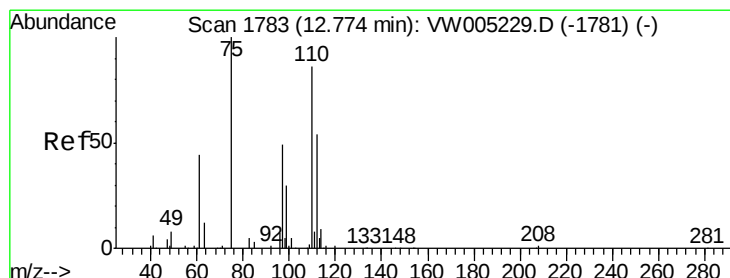
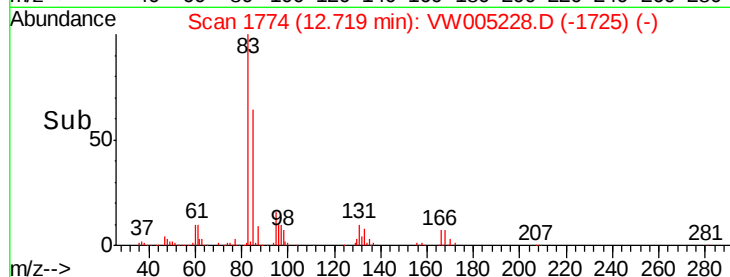
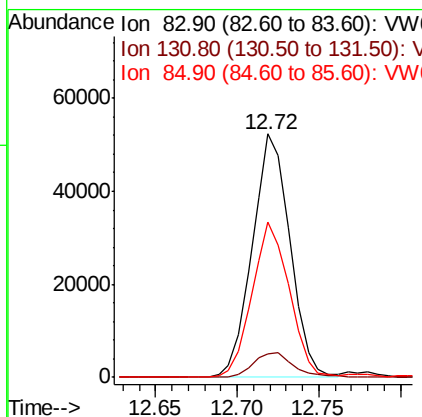
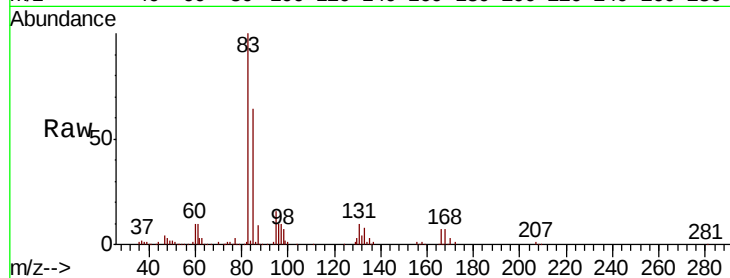
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	84153
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	62.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 19.60 ug/l m

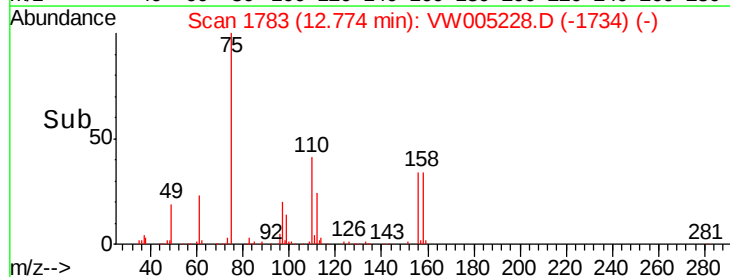
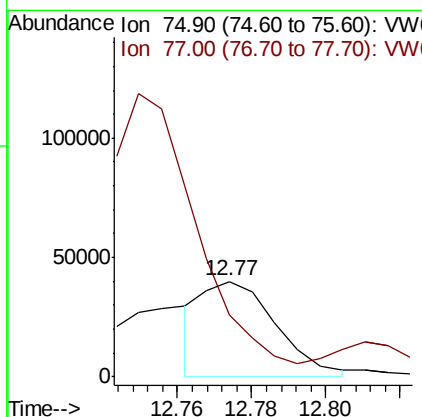
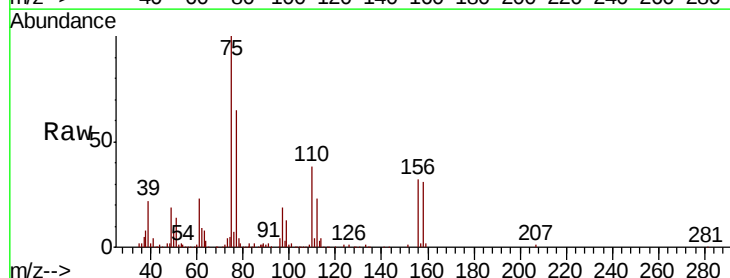
RT: 12.77 min Scan# 1783

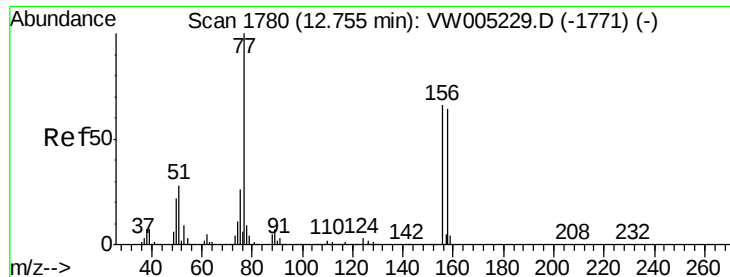
Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Tgt Ion:	75	Resp:	56203
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





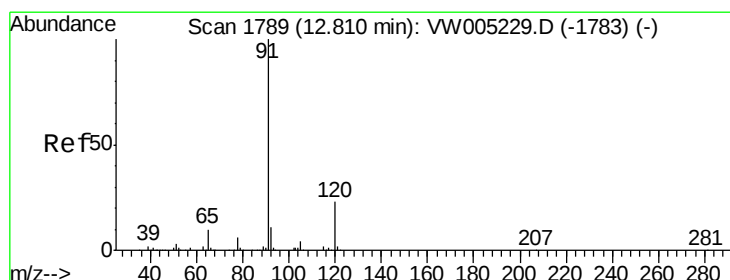
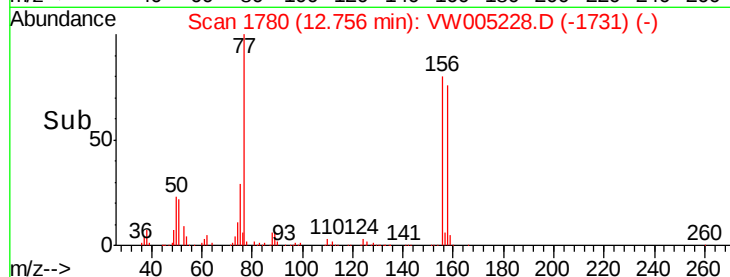
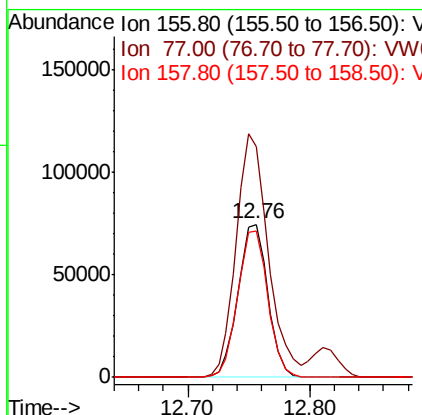
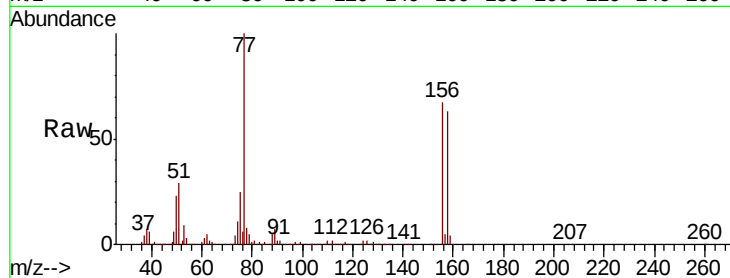
#77
Bromobenzene
Concen: 19.35 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.6	86.4	259.2
158	96.5	48.4	145.0

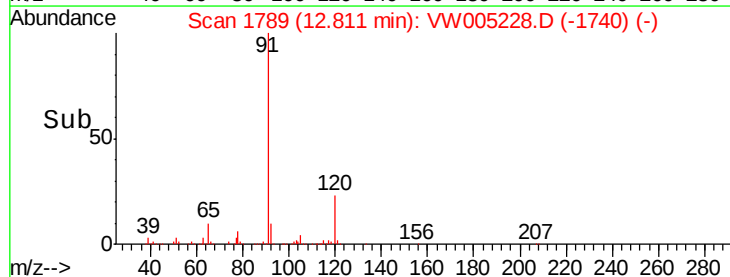
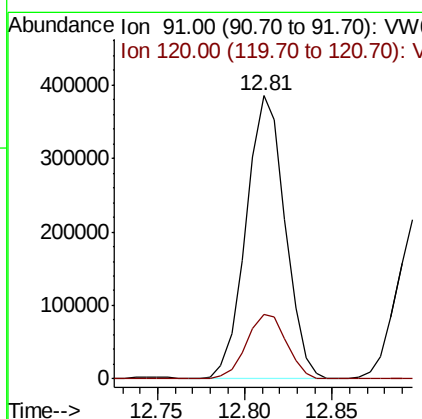
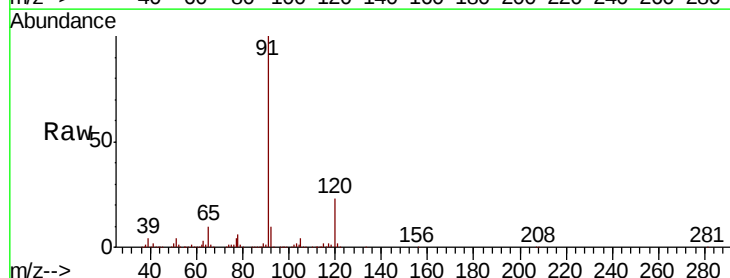
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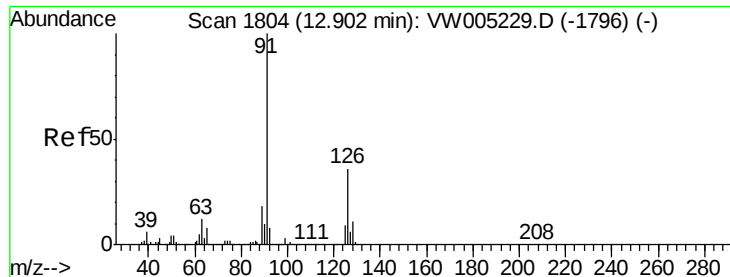
apatel
9/10/2018 10:42:09 AM



#78
n-propylbenzene
Concen: 18.78 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 19.02 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 352283

Ion Ratio Lower Upper

91 100

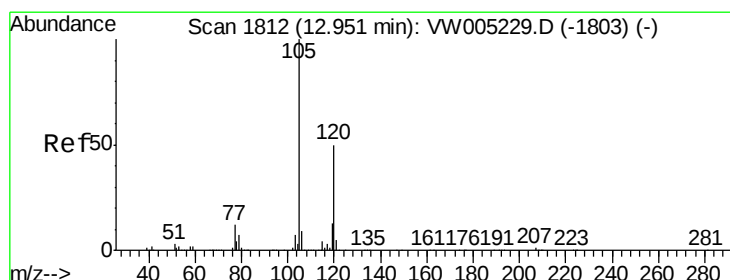
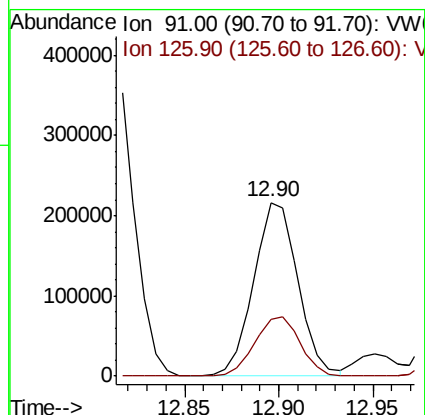
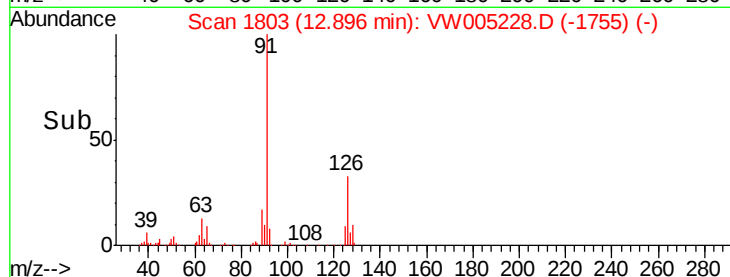
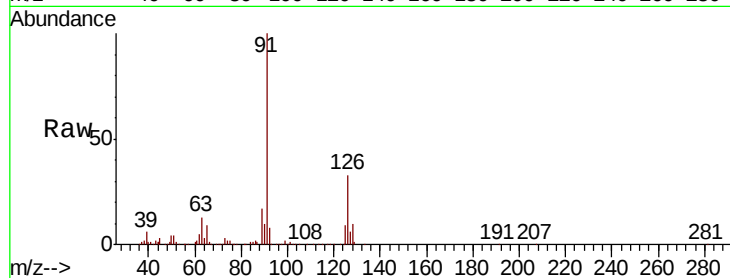
126 34.9 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.02 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005228.D

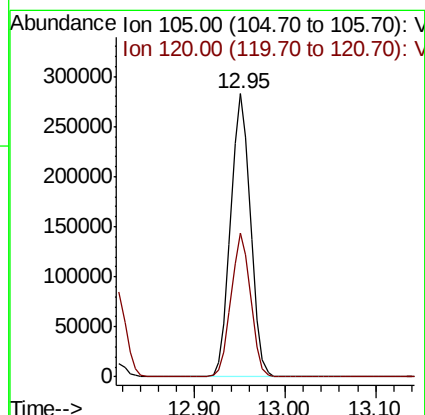
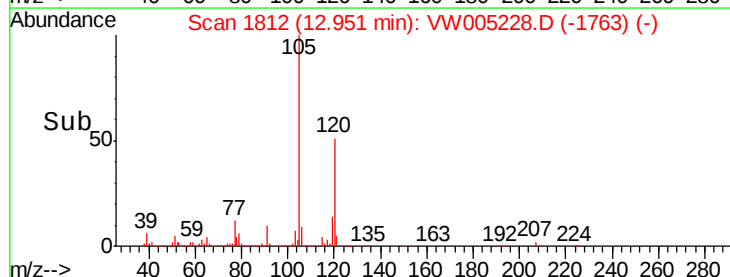
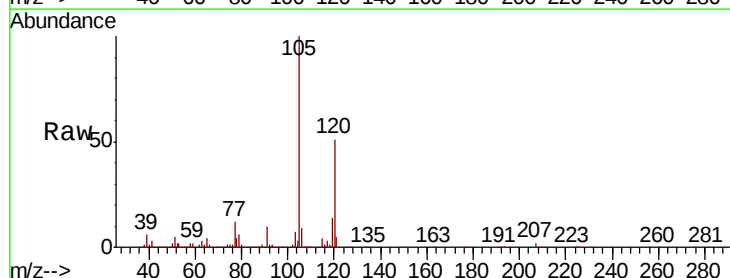
Acq: 08 Sep 2018 00:37

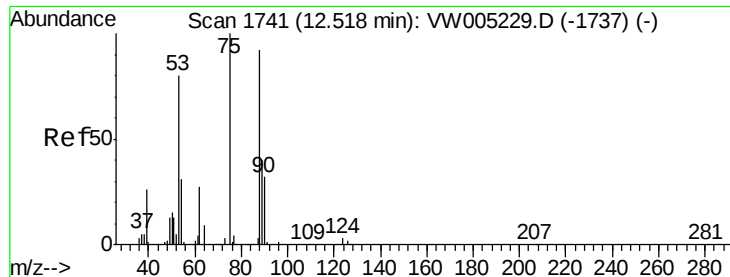
Tgt Ion: 105 Resp: 430809

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.8





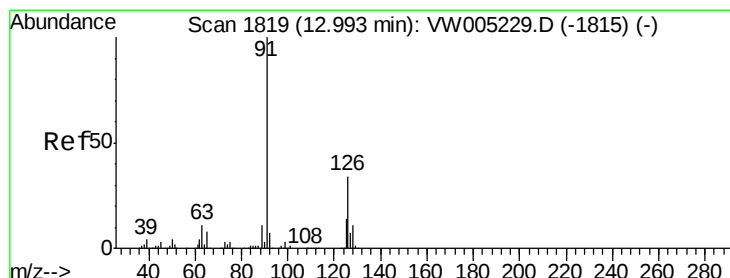
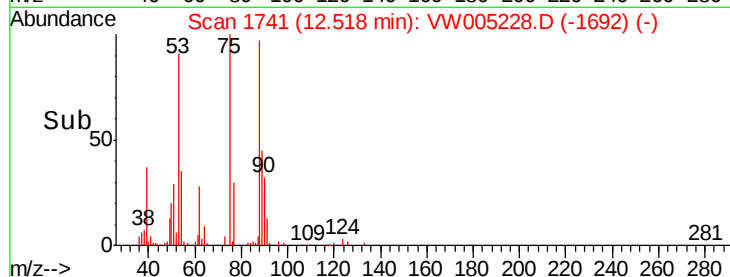
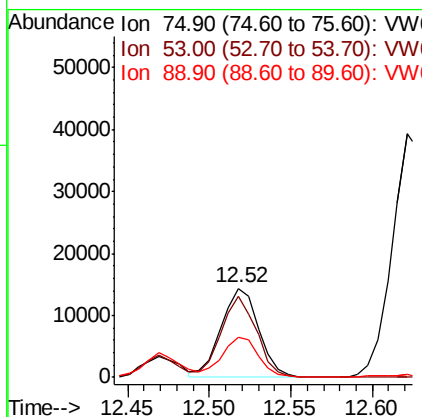
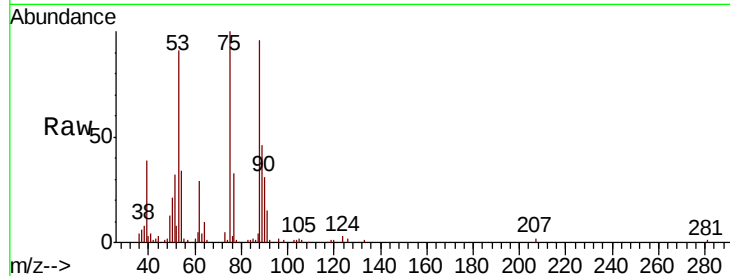
#81
trans-1,4-Dichloro-2-butene
Concen: 19.36 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.9	69.0	103.6
89	44.1	35.8	53.8

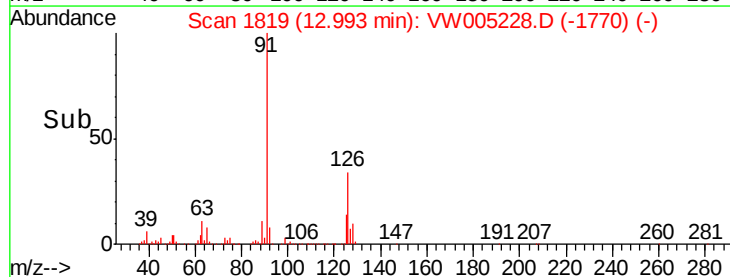
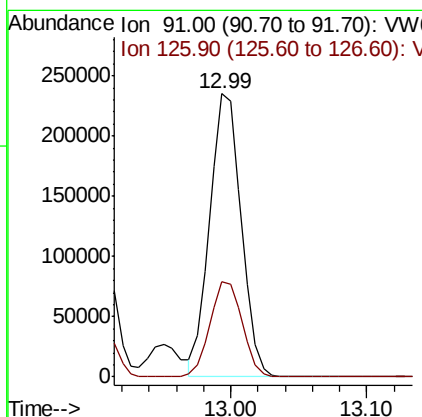
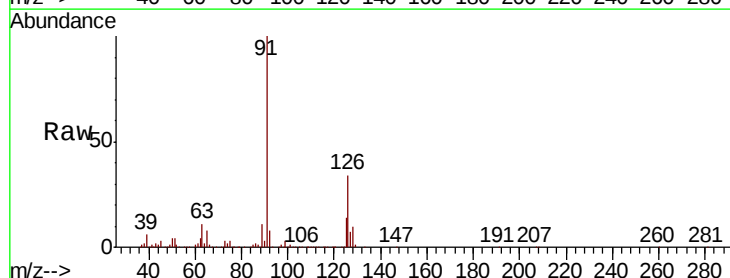
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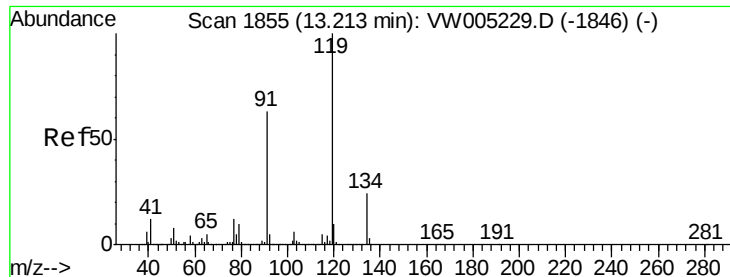
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#82
4-Chlorotoluene
Concen: 19.23 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	52.0





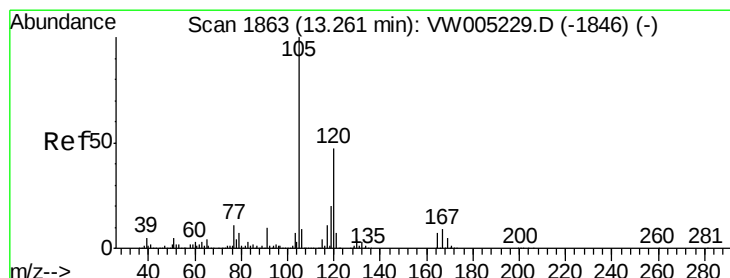
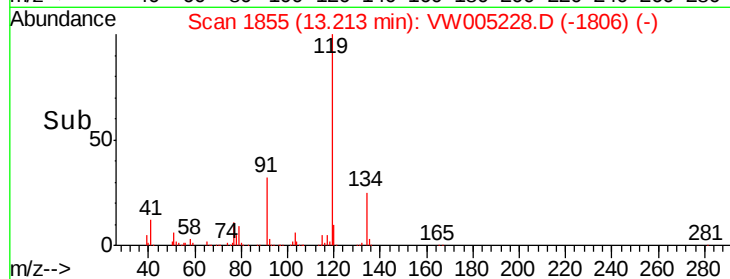
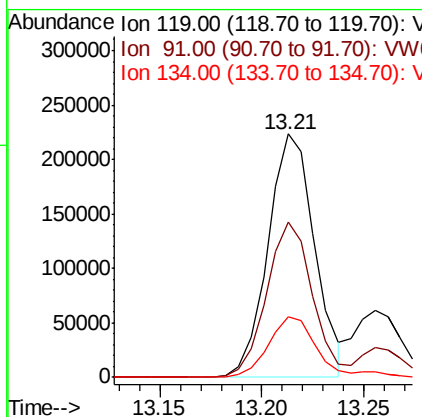
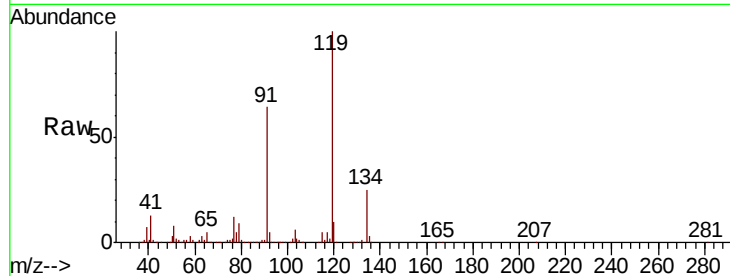
#83
 tert-Butylbenzene
 Concen: 18.64 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.8	92.3
134	26.5	12.7	38.0

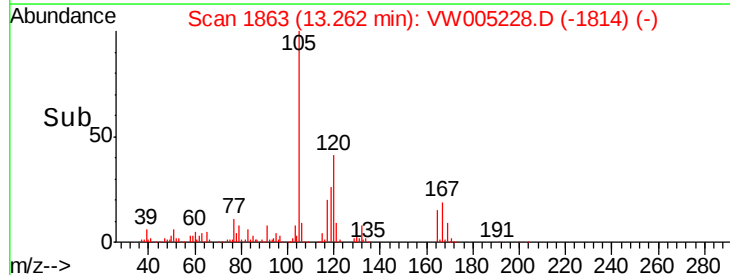
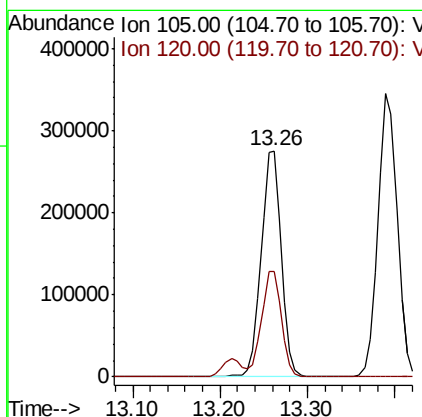
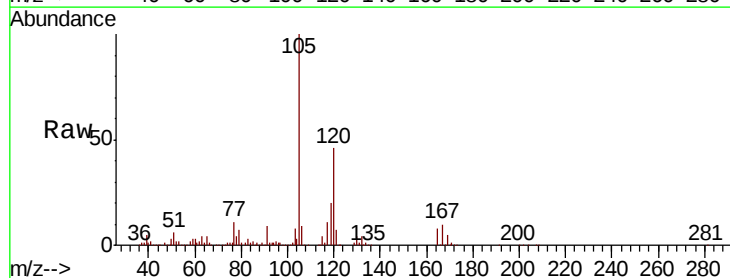
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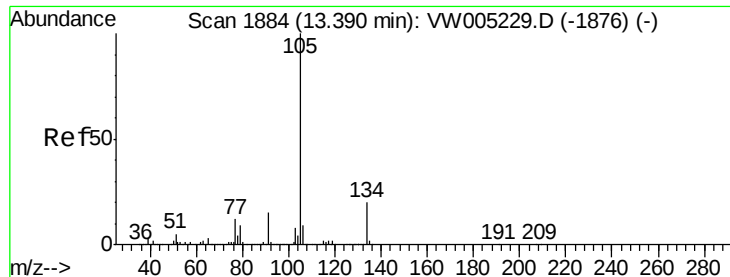
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.20 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.2	69.6





#85

sec-Butylbenzene

Concen: 18.83 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 525059

Ion Ratio Lower Upper

105 100

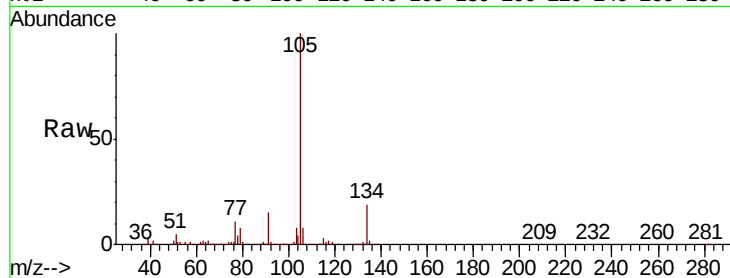
134 20.2 10.1 30.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

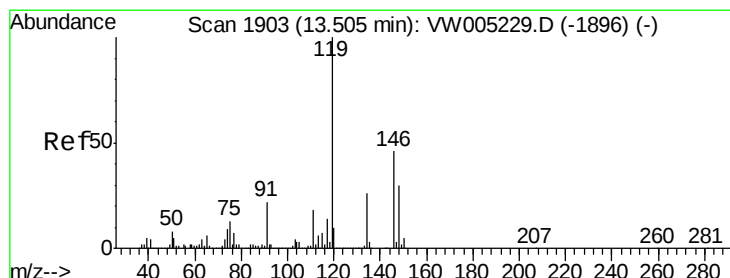
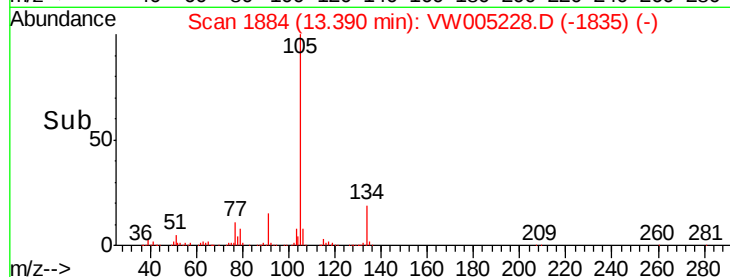
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.93 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

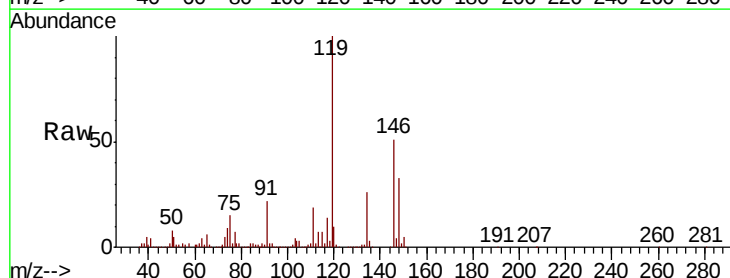
Tgt Ion:119 Resp: 466945

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 21.6 10.9 32.7



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

13.51

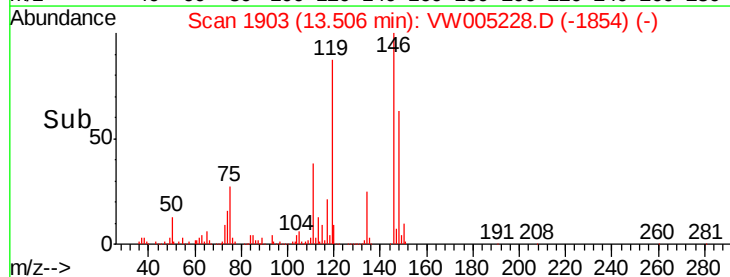
300000

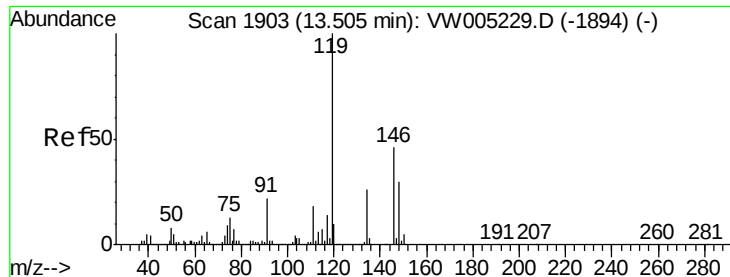
200000

100000

0

Time-->





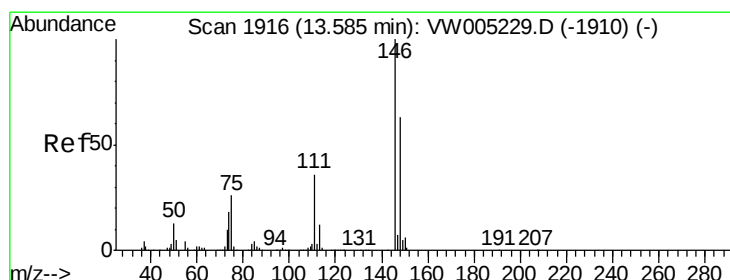
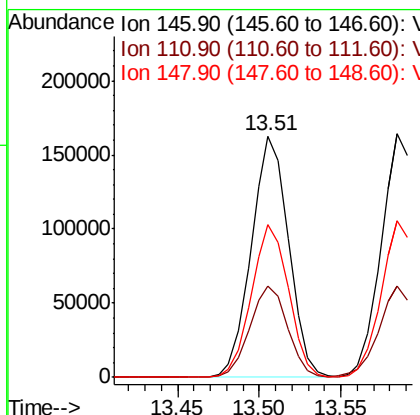
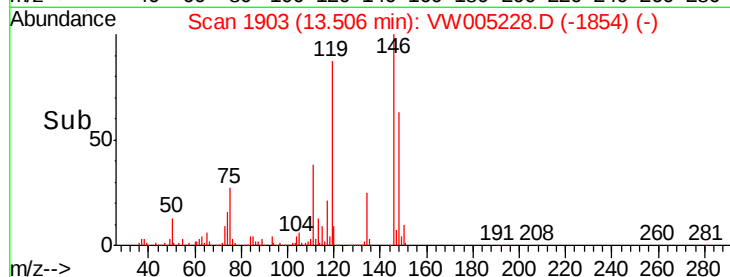
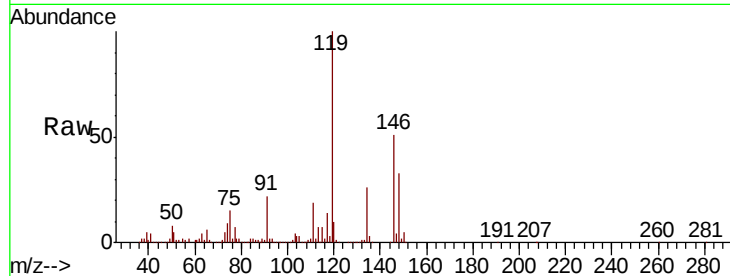
#87
 1,3-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.8
148	63.1	32.0	96.2

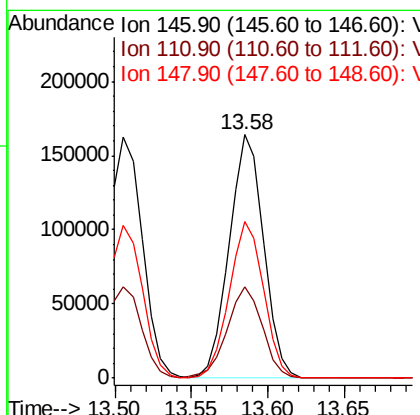
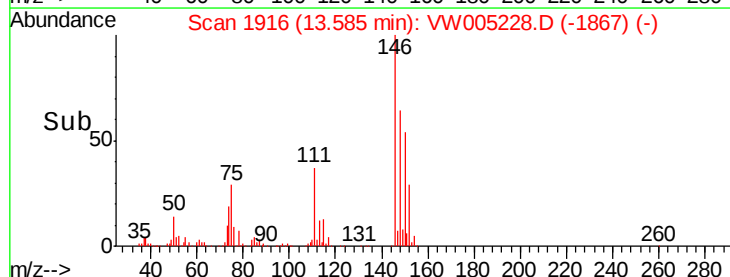
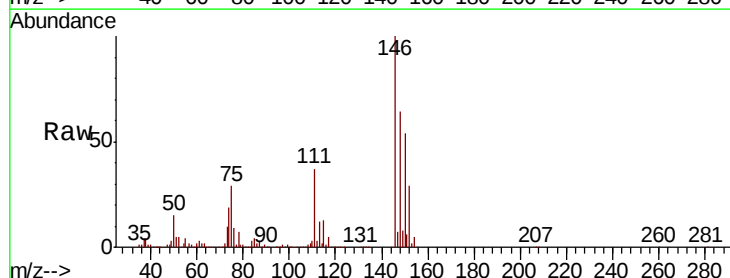
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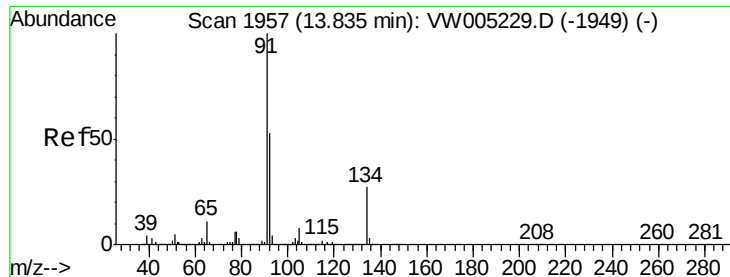
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#88
 1,4-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	56.0
148	64.1	32.0	96.0





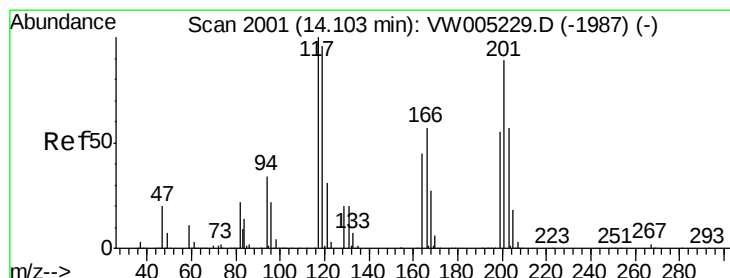
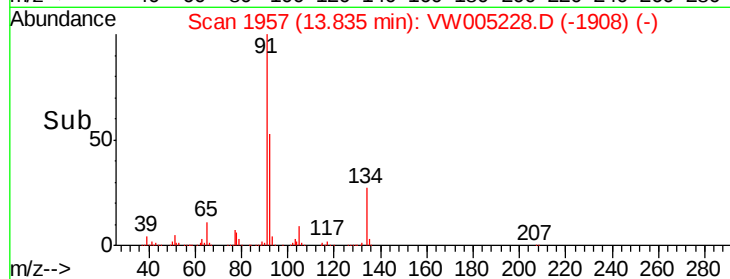
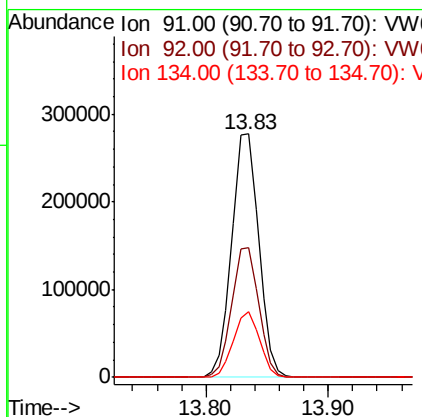
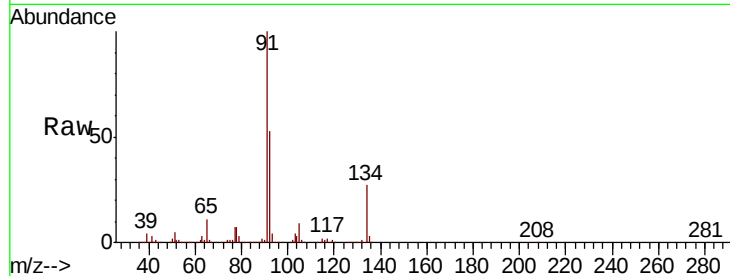
#89
n-Butylbenzene
Concen: 18.61 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	91	Resp:	424571
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.7	80.0
134	26.3	13.5	40.4

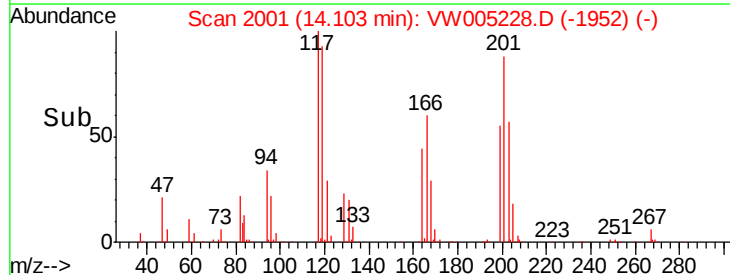
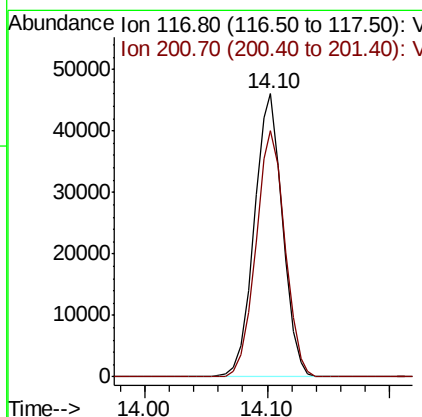
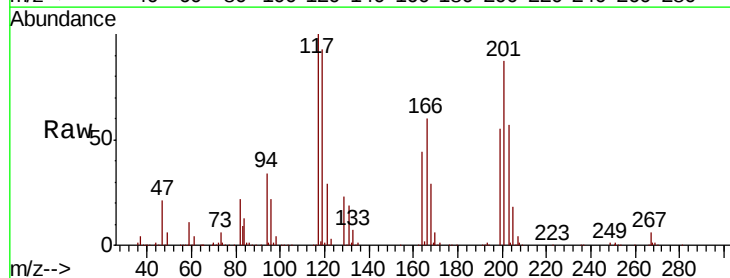
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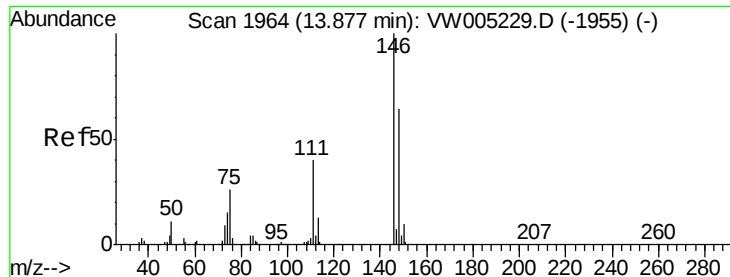
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#90
Hexachloroethane
Concen: 18.10 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion:	117	Resp:	74558
Ion Ratio	Lower	Upper	
117	100		
201	88.7	44.8	134.4





#91

1,2-Dichlorobenzene

Concen: 19.78 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005228.D

Acq: 08 Sep 2018 00:37

Instrument :

MSVOA_W

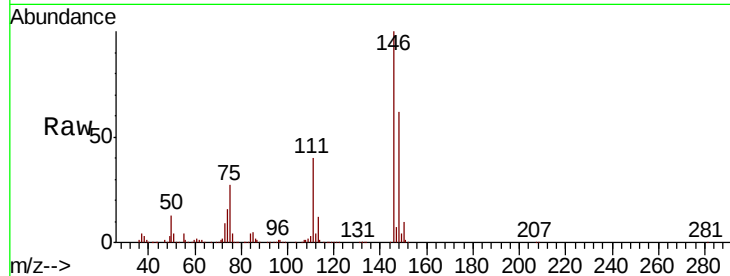
ClientSampleId :

VSTDIC020

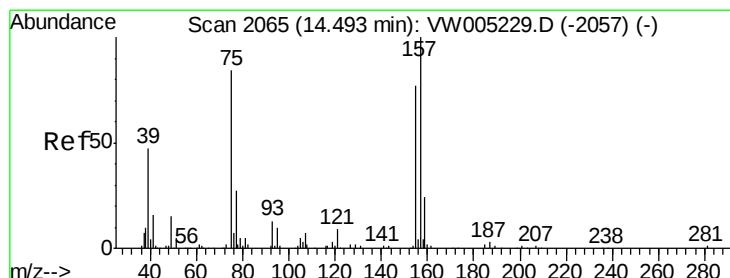
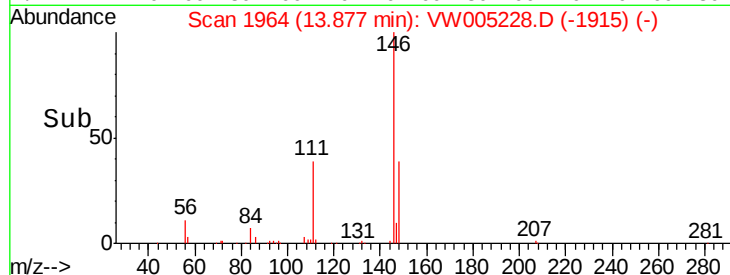
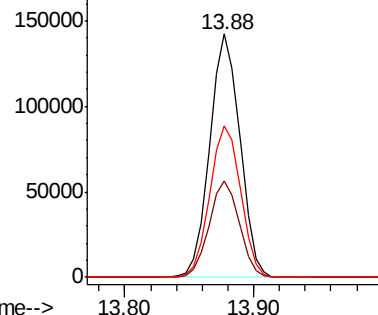
Tot Ion:	146	Resp:	230587
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.0	60.0
148	63.7	32.0	96.2

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.89 ug/l

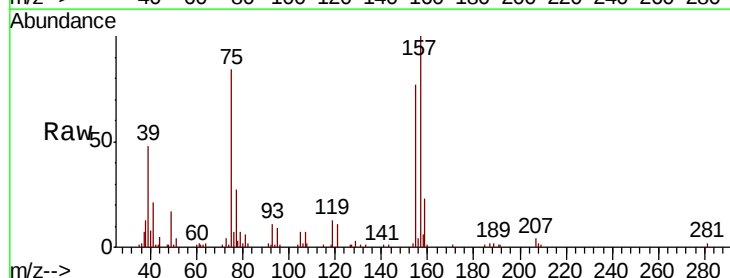
RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

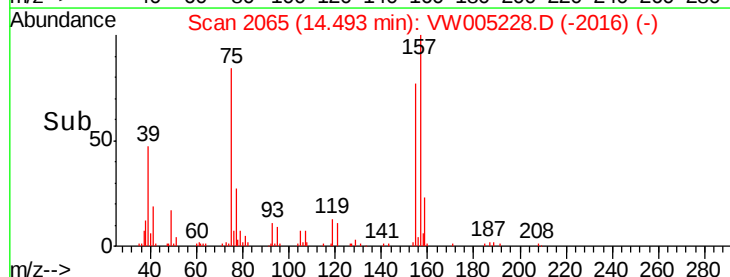
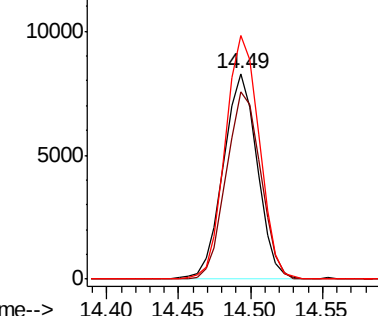
Lab File: VW005228.D

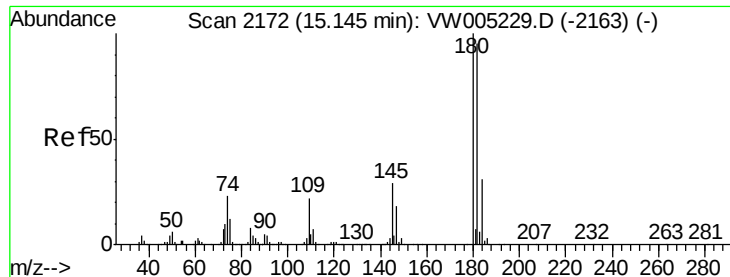
Acq: 08 Sep 2018 00:37

Tgt Ion:	75	Resp:	13504
Ion Ratio	Lower	Upper	
75	100		
155	92.2	45.6	136.9
157	118.8	59.6	178.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





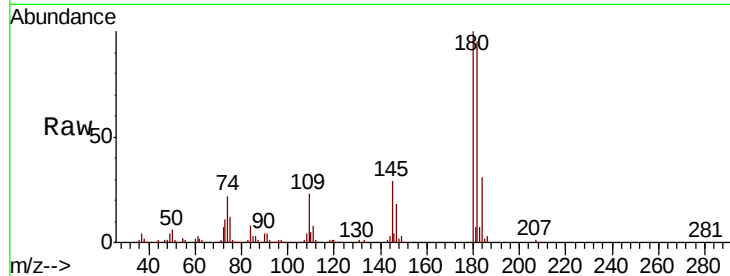
#93
 1,2,4-Trichlorobenzene
 Concen: 19.72 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.9	143.8	
145	29.2	14.5	43.6	

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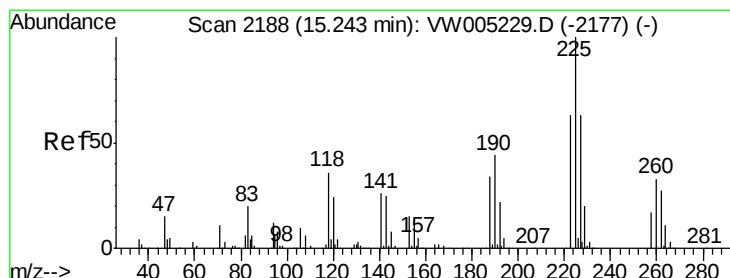
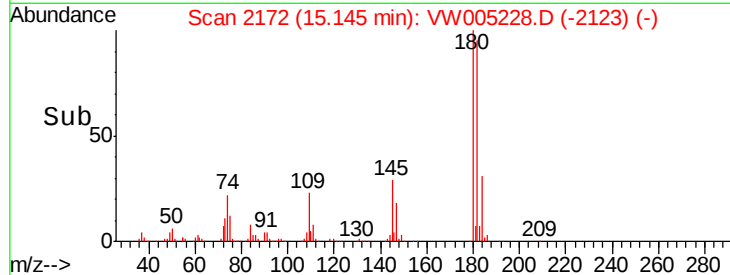
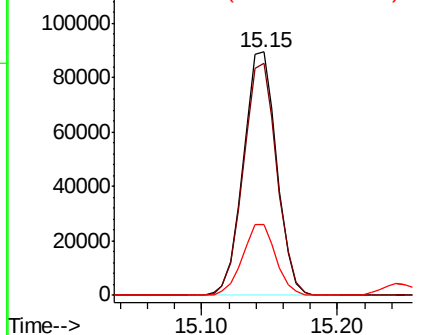


Abundance

Ion 179.80 (179.50 to 180.50): V

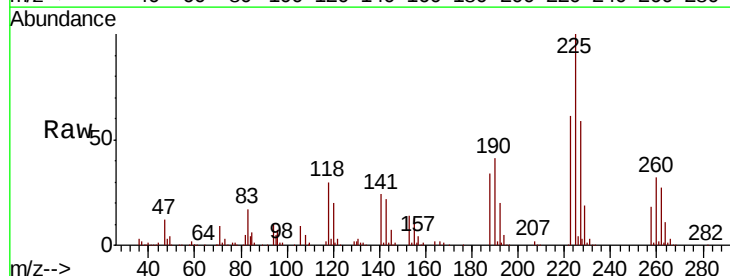
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.43 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005228.D
 Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.4	94.2	
227	63.3	31.9	95.9	

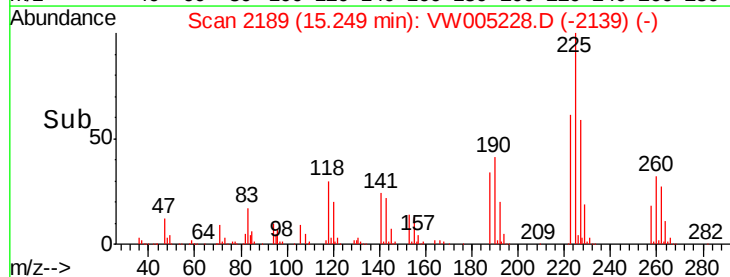
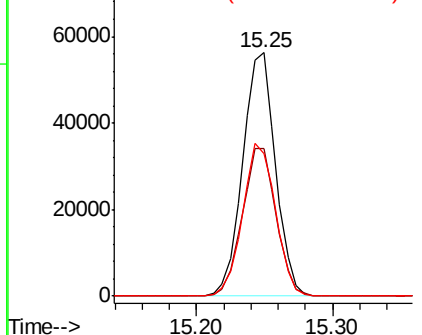


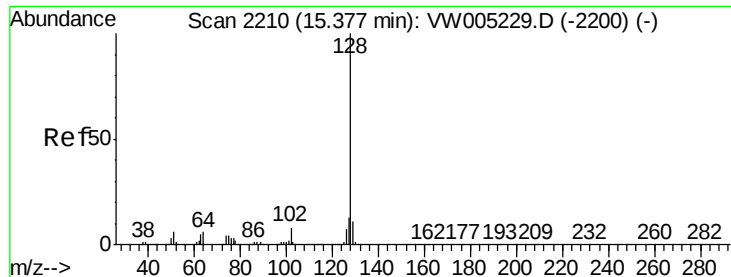
Abundance

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





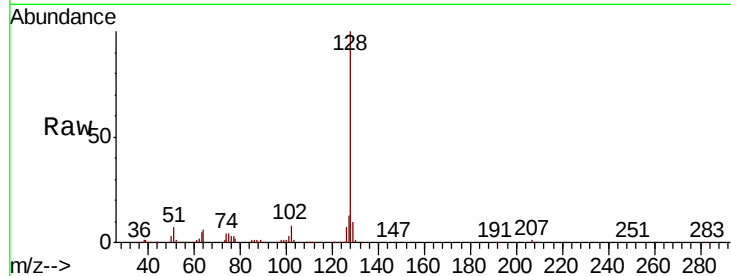
#95
Naphthalene
Concen: 20.46 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	252590		
127	12.9		10.4	15.6
129	10.9		8.8	13.2

Manual Integrations
APPROVED

apatel
9/10/2018 10:42:09 AM

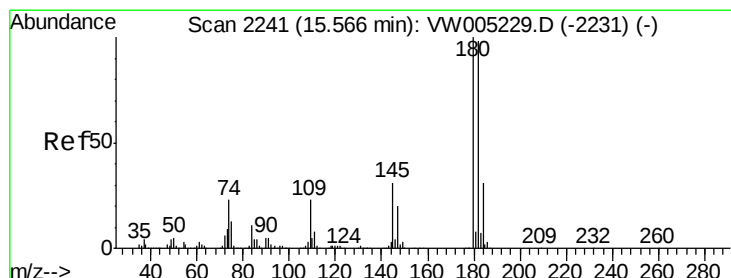
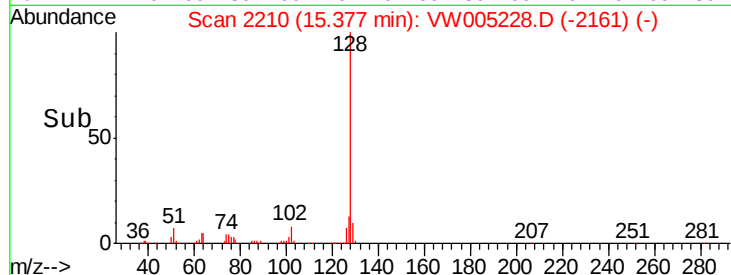
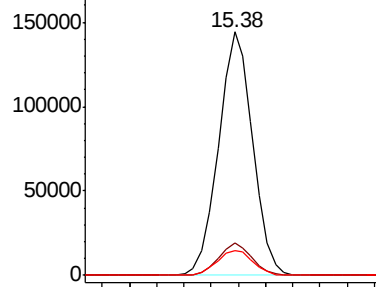


Abundance

Ion 128.00 (127.70 to 128.70): V

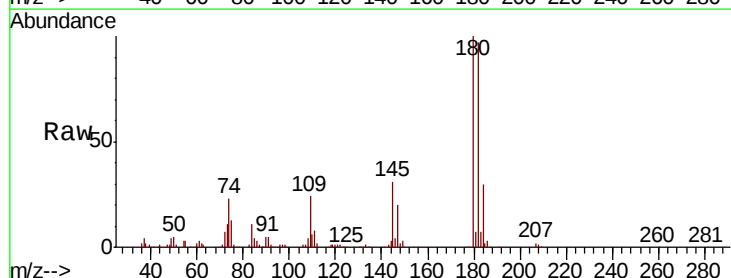
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.35 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005228.D
Acq: 08 Sep 2018 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136152		
182	96.4		48.3	144.9
145	30.6		15.3	45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

