

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064706.D
 Acq On : 31 Dec 2019 20:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:43:11 AM

Quant Time: Jan 01 02:39:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	392374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	614040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	187982	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
35) Dibromofluoromethane	7.92	113	187359	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	702530	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.64	95	236819	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	174864	57.345	ug/l	98
3) Chloromethane	2.21	50	257235	60.318	ug/l	100
4) Vinyl Chloride	2.35	62	252289	48.519	ug/l	98
5) Bromomethane	2.77	94	183622	48.568	ug/l	99
6) Chloroethane	2.93	64	181472	52.085	ug/l	97
7) Trichlorofluoromethane	3.27	101	407126	46.501	ug/l	99
8) Diethyl Ether	3.71	74	103919	59.772	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	178259	49.162	ug/l	99
10) Methyl Iodide	4.30	142	221489	56.868	ug/l	98
11) Tert butyl alcohol	5.25	59	60178	303.487	ug/l	97
12) 1,1-Dichloroethene	4.06	96	176777	51.209	ug/l	99
13) Acrolein	3.93	56	59660	215.889	ug/l	97
14) Allyl chloride	4.71	41	294203	54.662	ug/l	99
15) Acrylonitrile	5.43	53	208145	287.419	ug/l	98
16) Acetone	4.17	43	174671	238.639	ug/l	96
17) Carbon Disulfide	4.40	76	546696	48.978	ug/l	100
18) Methyl Acetate	4.73	43	114097	58.575	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	459452	59.922	ug/l	95
20) Methylene Chloride	4.96	84	213272	61.384	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	208542	53.046	ug/l	99
22) Diisopropyl ether	6.37	45	619974	57.751	ug/l	99
23) Vinyl Acetate	6.31	43	1778436	292.041	ug/l	99
24) 1,1-Dichloroethane	6.27	63	362684	56.276	ug/l	98
25) 2-Butanone	7.23	43	266984	280.727	ug/l	98
26) 2,2-Dichloropropane	7.21	77	286847	47.872	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	236586	55.761	ug/l	99
28) Bromochloromethane	7.55	49	155169	61.938	ug/l	96
29) Tetrahydrofuran	7.57	42	172047	290.899	ug/l	99
30) Chloroform	7.71	83	383904	56.777	ug/l	98
31) Cyclohexane	7.98	56	293614	45.513	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	334657	52.694	ug/l	100
36) 1,1-Dichloropropene	8.11	75	273861	46.338	ug/l	98
37) Ethyl Acetate	7.30	43	118196	50.907	ug/l	97
38) Carbon Tetrachloride	8.10	117	300042	47.611	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	322152	45.005	ug/l	98
40) Benzene	8.36	78	820237	50.839	ug/l	98
41) Methacrylonitrile	7.53	41	81717	60.661	ug/l	97
42) 1,2-Dichloroethane	8.43	62	251466	53.936	ug/l	100
43) Isopropyl Acetate	8.46	43	244846	52.982	ug/l	100
44) Trichloroethene	9.11	130	236924	49.987	ug/l	97
45) 1,2-Dichloropropane	9.39	63	204046	52.969	ug/l	99
46) Dibromomethane	9.48	93	113514	52.853	ug/l	97
47) Bromodichloromethane	9.66	83	303142	53.043	ug/l	96
48) Methyl methacrylate	9.46	41	115708	53.175	ug/l	89
49) 1,4-Dioxane	9.47	88	26150	1055.934	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	618651	270.836	ug/l	99
52) Toluene	10.40	92	543112	51.309	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	288335	54.114	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	337082	53.652	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	157438	54.393	ug/l	97
56) Ethyl methacrylate	10.66	69	201242	55.672	ug/l	98
57) 1,3-Dichloropropane	10.95	76	273853	54.950	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	336694	244.477	ug/l	98
59) 2-Hexanone	10.98	43	426083	274.829	ug/l	100
60) Dibromochloromethane	11.14	129	218647	54.626	ug/l	98
61) 1,2-Dibromoethane	11.25	107	153453	53.752	ug/l	98
64) Tetrachloroethene	10.88	164	208469	48.216	ug/l	99
65) Chlorobenzene	11.67	112	598269	51.148	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	232141	52.645	ug/l	98
67) Ethyl Benzene	11.75	91	1074246	50.599	ug/l	100
68) m/p-Xylenes	11.86	106	819768	100.038	ug/l	97
69) o-Xylene	12.18	106	393402	53.150	ug/l	100
70) Styrene	12.20	104	688974	53.030	ug/l	99
71) Bromoform	12.37	173	136837	54.416	ug/l #	98
73) Isopropylbenzene	12.48	105	1014781	49.808	ug/l	100
74) N-amyl acetate	12.29	43	244676	56.180	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	169842	53.067	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	131751m	58.522	ug/l	
77) Bromobenzene	12.77	156	258564	51.649	ug/l	99
78) n-propylbenzene	12.83	91	1197007	50.361	ug/l	99
79) 2-Chlorotoluene	12.91	91	664627	50.902	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	867965	51.862	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	53466	49.670	ug/l	95
82) 4-Chlorotoluene	13.01	91	710057	51.101	ug/l	100
83) tert-Butylbenzene	13.23	119	732494	50.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	867333	52.035	ug/l	97
85) sec-Butylbenzene	13.41	105	988844	49.637	ug/l	99
86) p-Isopropyltoluene	13.53	119	959473	50.370	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	490127	51.358	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	487057	51.952	ug/l	99
89) n-Butylbenzene	13.85	91	854828	49.833	ug/l	100
90) Hexachloroethane	14.12	117	180550	49.620	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	431685	53.047	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27558	53.114	ug/l	99

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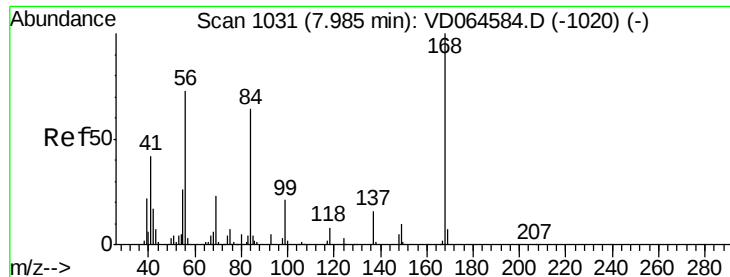
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	312019	52.073	ug/l	99
94) Hexachlorobutadiene	15.28	225	176614	46.841	ug/l	97
95) Naphthalene	15.41	128	578897	61.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	269112	52.609	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 392374

Ion Ratio Lower Upper

168 100

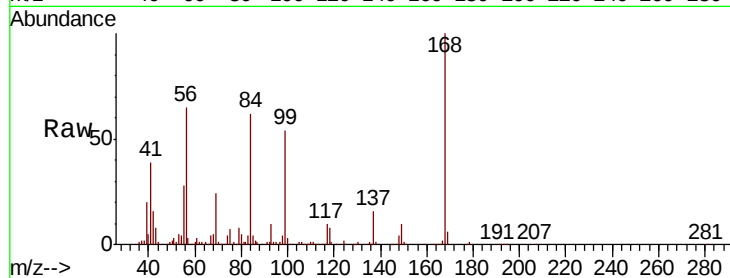
99 53.5 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

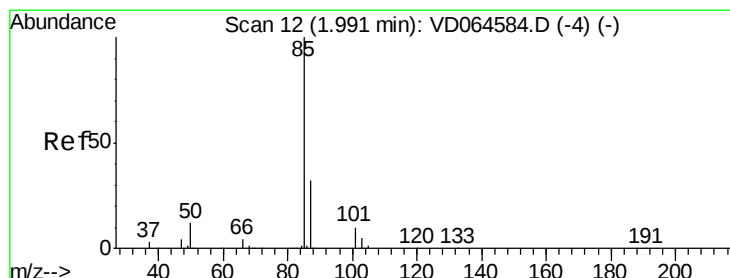
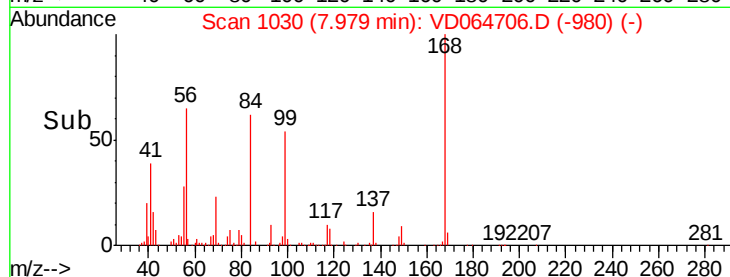
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 57.345 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064706.D

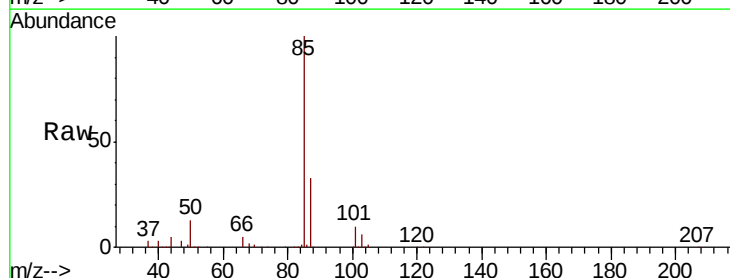
Acq: 31 Dec 2019 20:33

Tgt Ion: 85 Resp: 174864

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

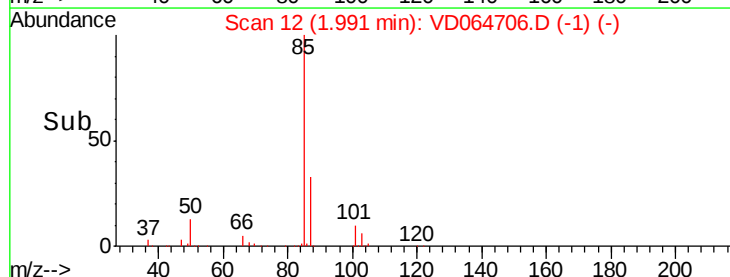
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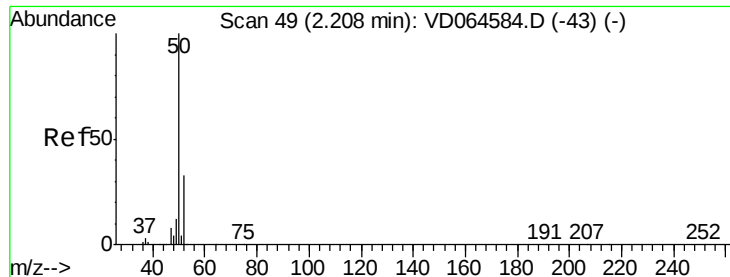
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 60.318 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 257235

Ion Ratio Lower Upper

50 100

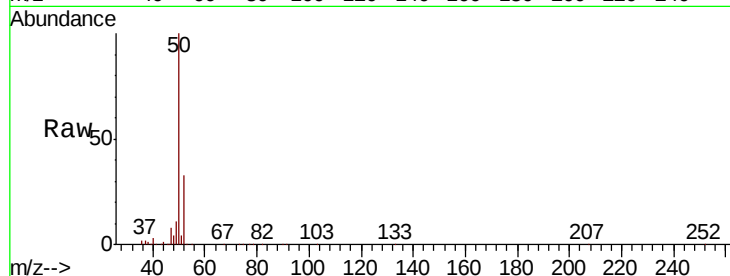
52 33.2 26.5 39.7

Manual Integrations

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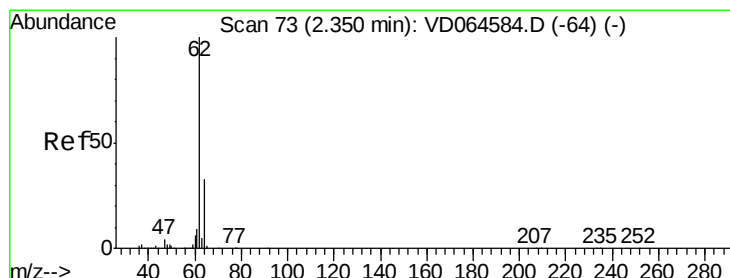
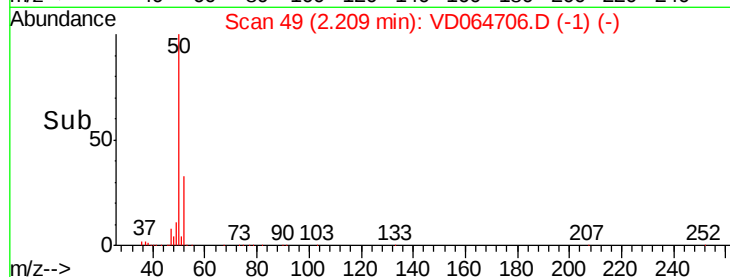
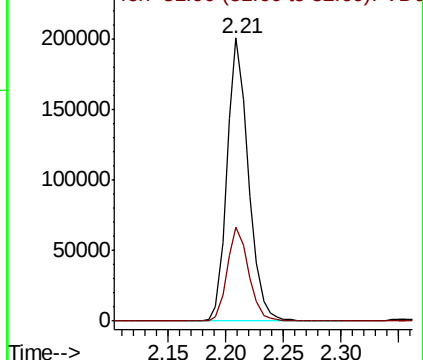
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.519 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064706.D

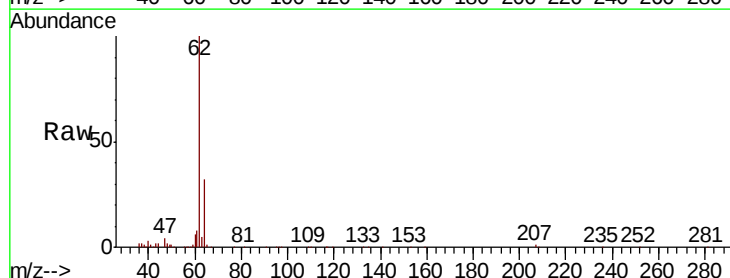
Acq: 31 Dec 2019 20:33

Tgt Ion: 62 Resp: 252289

Ion Ratio Lower Upper

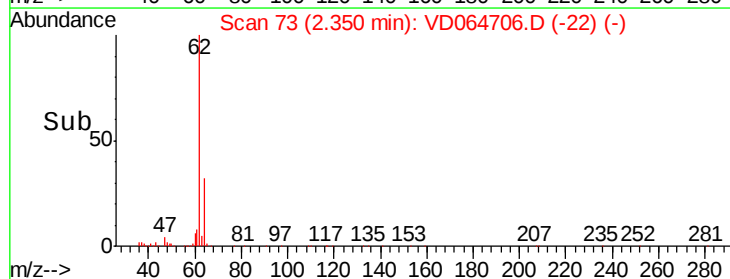
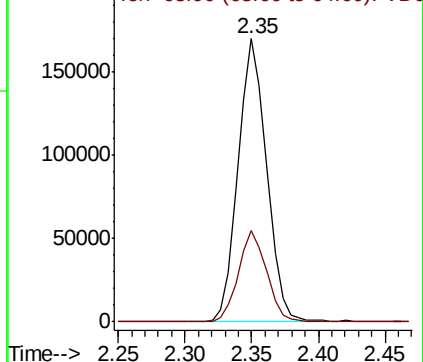
62 100

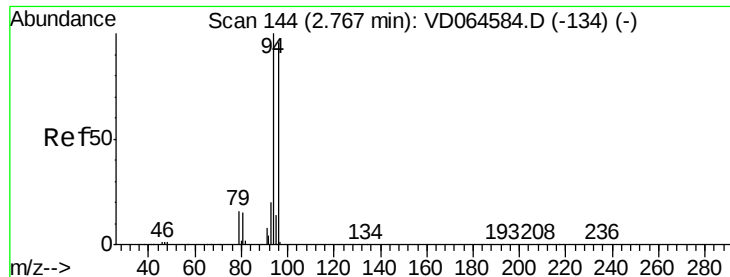
64 32.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.568 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 183622

Ion Ratio Lower Upper

94 100

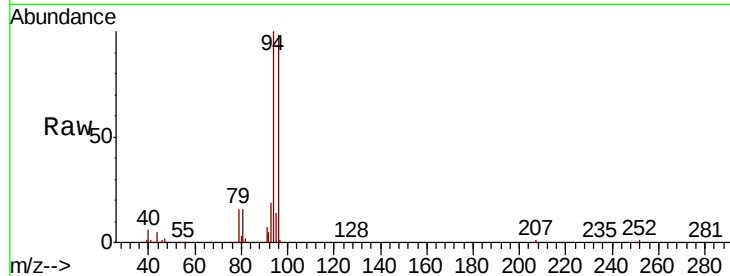
96 97.3 77.2 115.8

Manual Integrations

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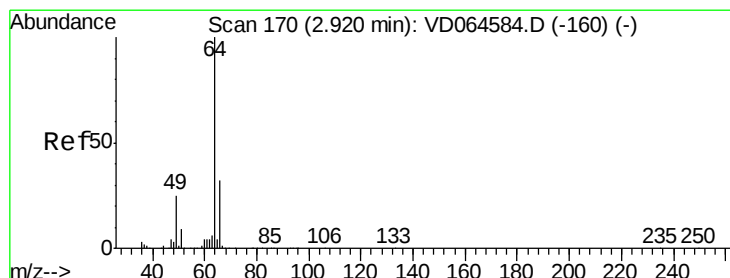
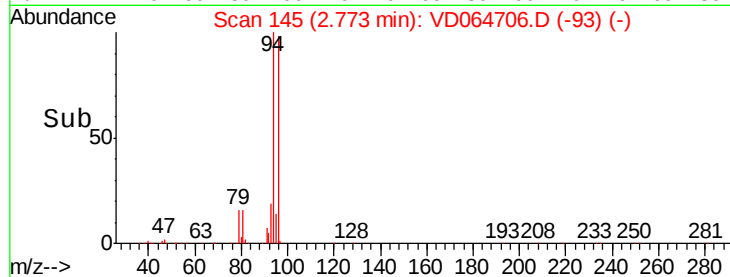
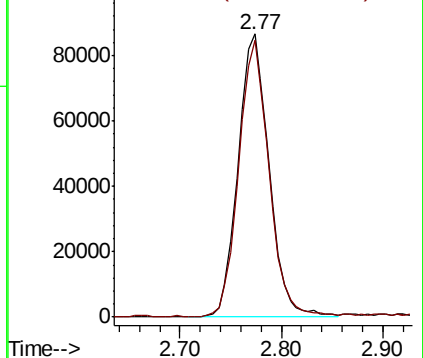
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.085 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064706.D

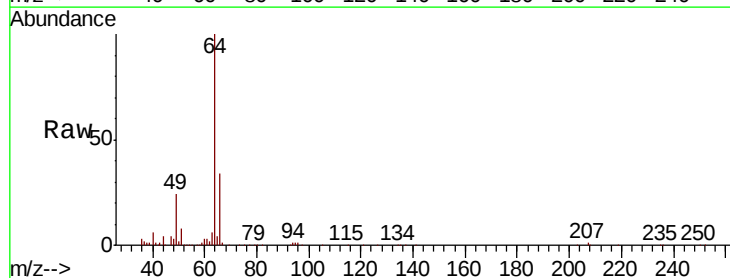
Acq: 31 Dec 2019 20:33

Tgt Ion: 64 Resp: 181472

Ion Ratio Lower Upper

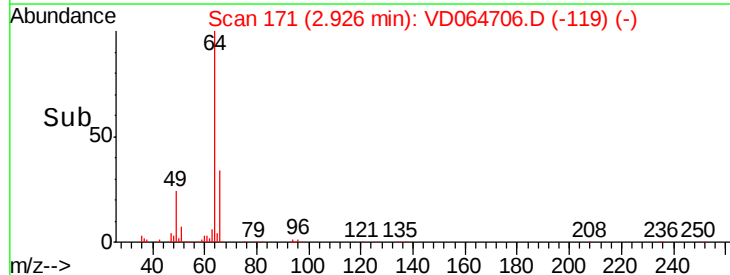
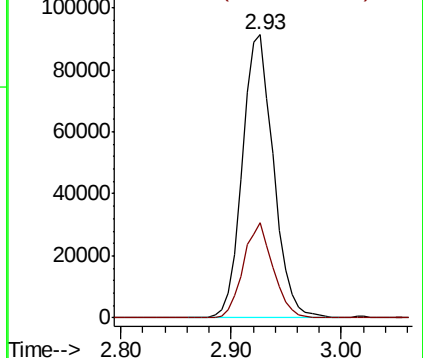
64 100

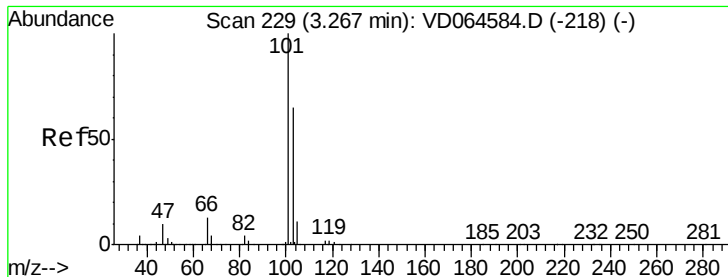
66 33.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

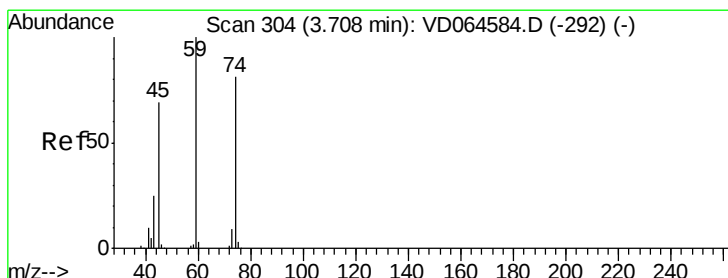
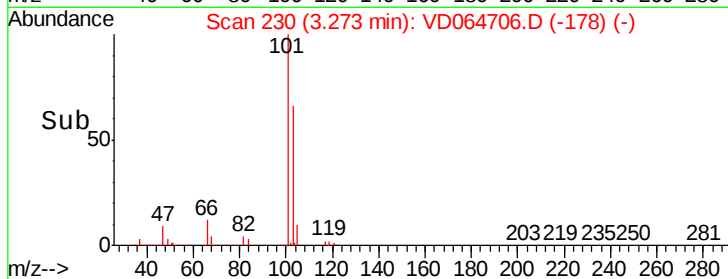
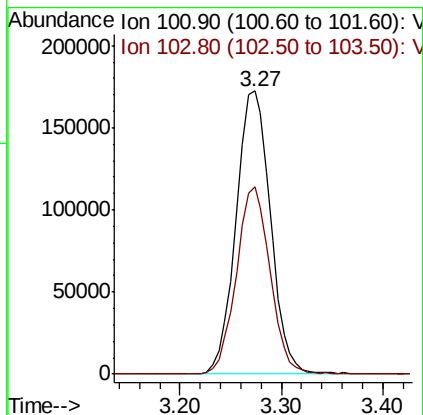
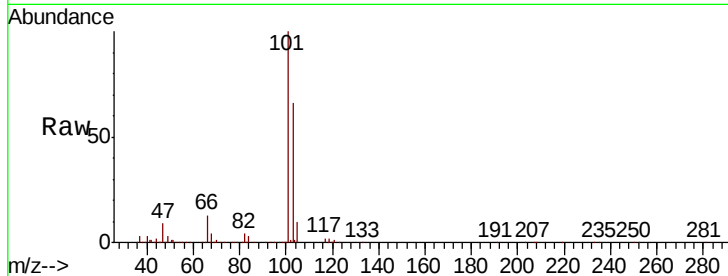
Trichlorofluoromethane
Concen: 46.501 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.2	78.4

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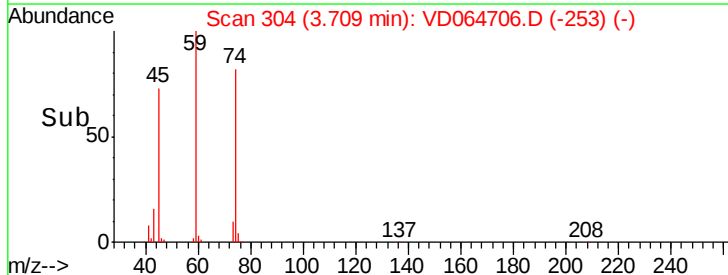
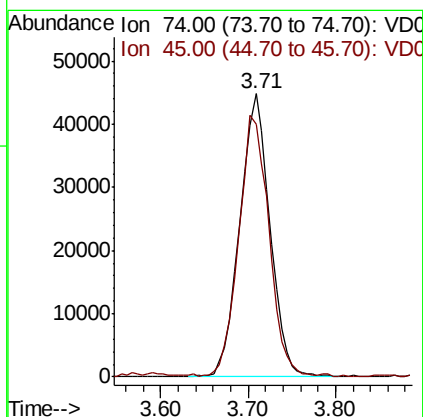
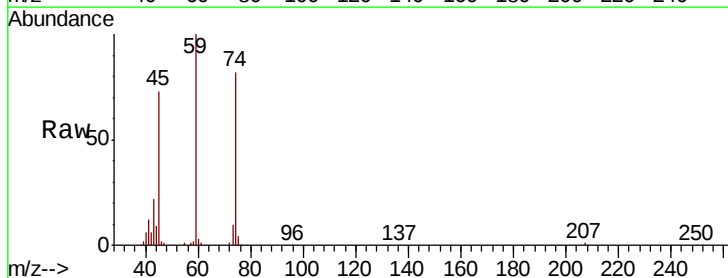
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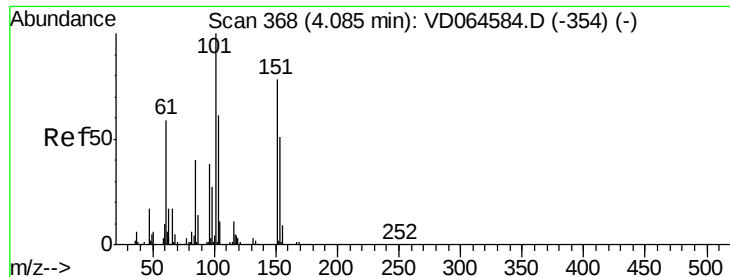


#8

Diethyl Ether
Concen: 59.772 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.1	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.162 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

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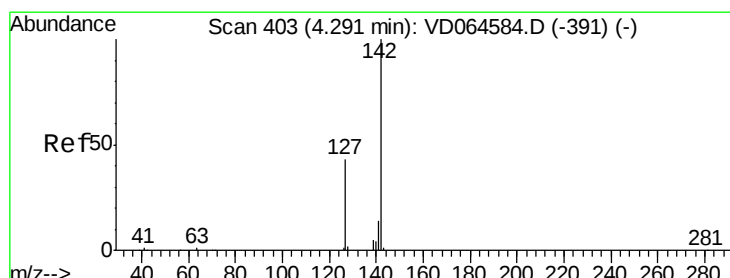
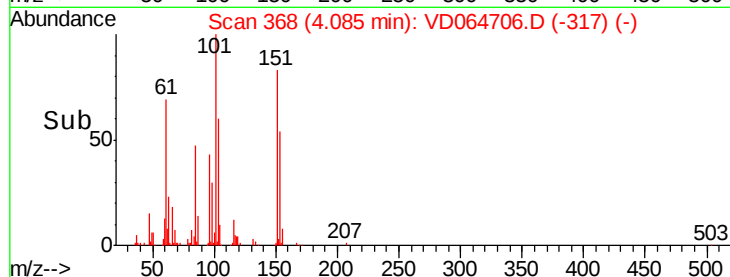
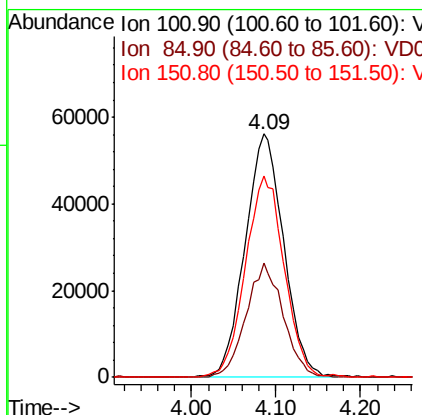
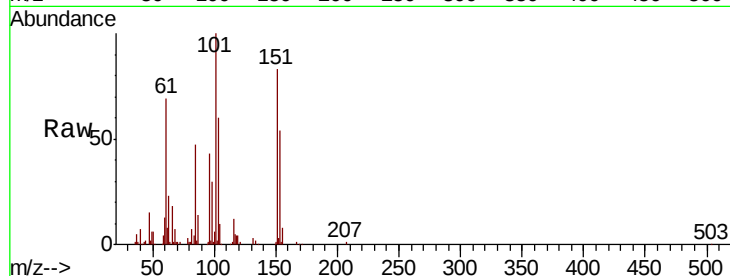
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	178259
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.2	52.8
151	83.3	66.2	99.4

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#10

Methyl Iodide

Concen: 56.868 ug/l

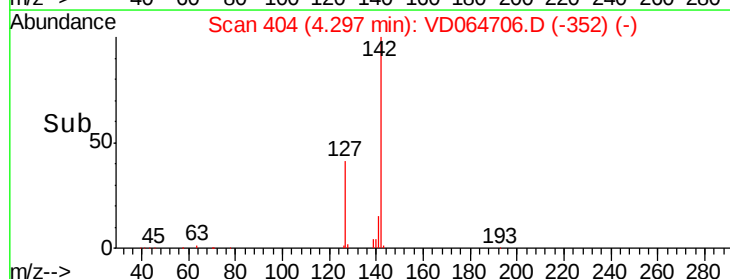
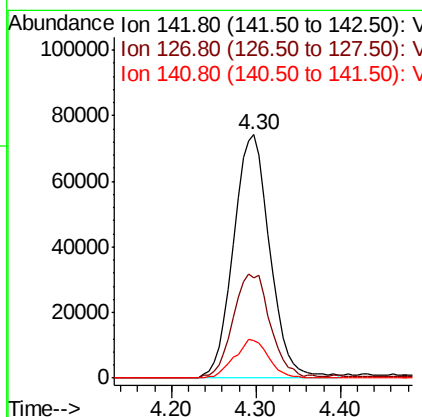
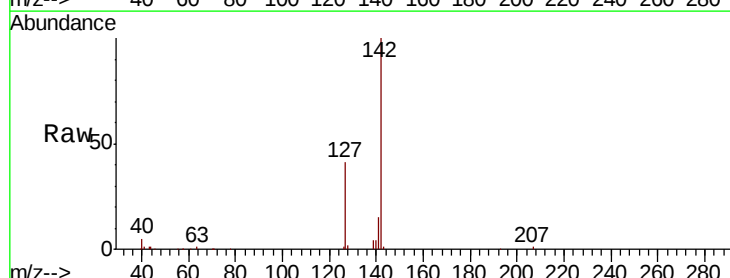
RT: 4.30 min Scan# 404

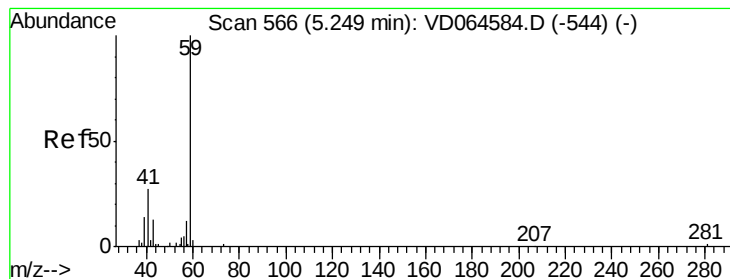
Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion:	142	Resp:	221489
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.2	54.4
141	15.0	11.8	17.8





#11

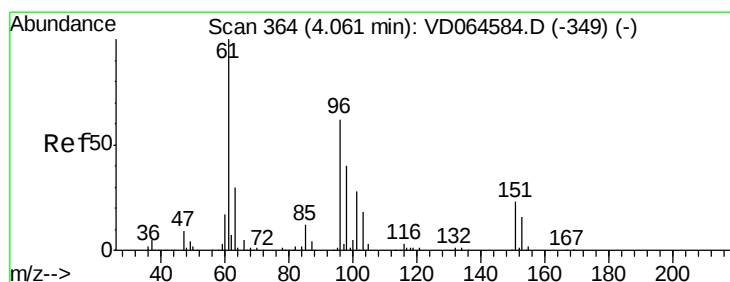
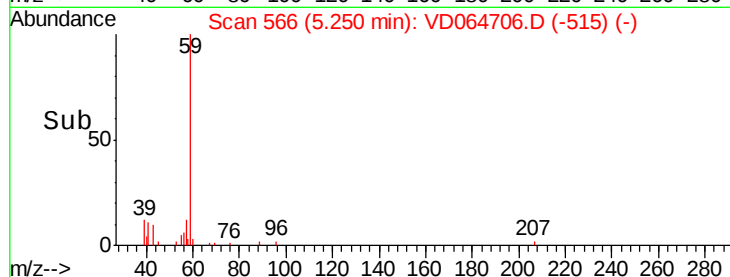
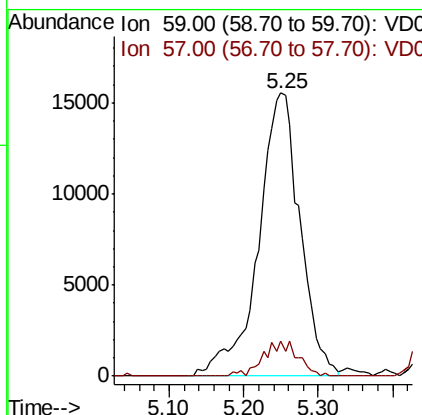
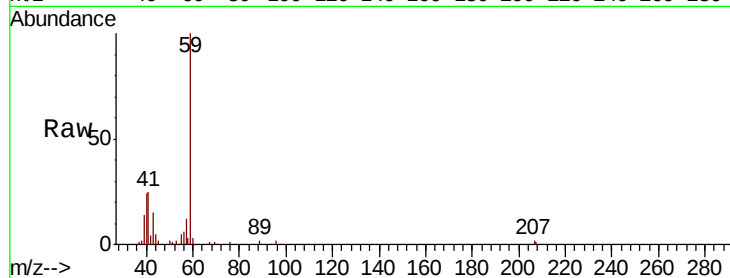
Tert butyl alcohol
Concen: 303.487 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59.00	Resp	60178
Ion Ratio	100	Lower	Upper
59	100		
57	10.3	9.3	13.9

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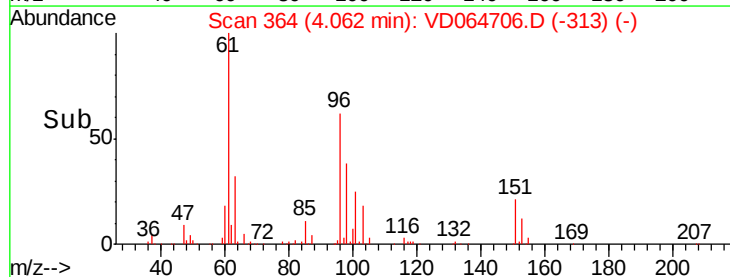
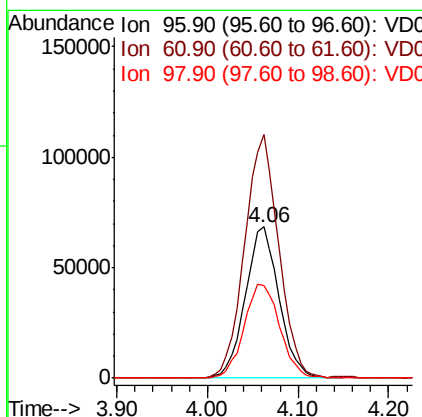
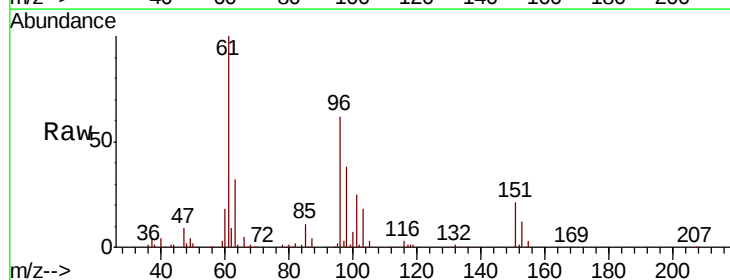
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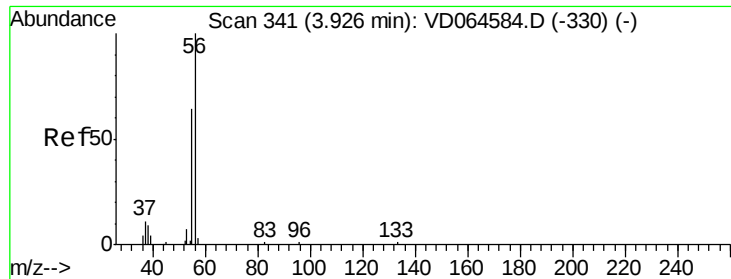


#12

1,1-Dichloroethene
Concen: 51.209 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	96	Resp	176777
Ion Ratio	100	Lower	Upper
96	100		
61	161.3	129.4	194.0
98	61.5	51.4	77.0





#13

Acrolein

Concen: 215.889 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59660

Ion Ratio Lower Upper

56 100

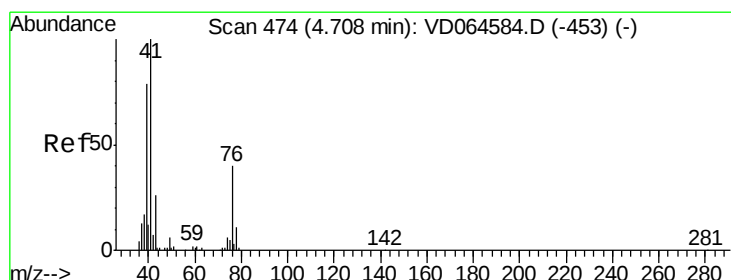
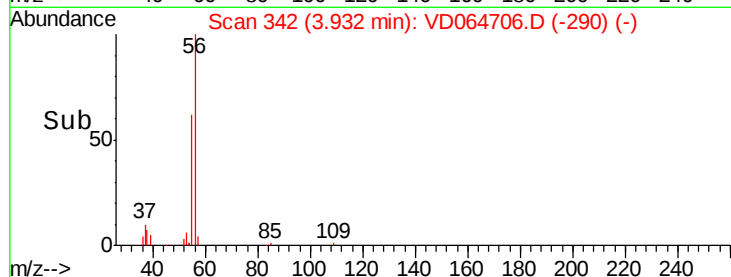
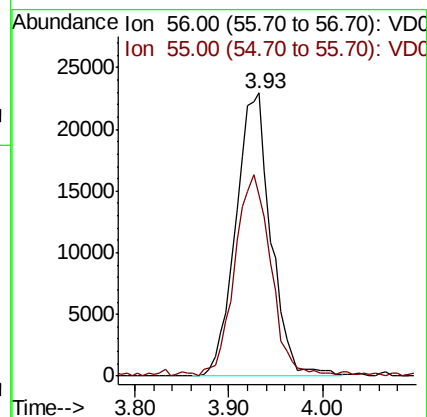
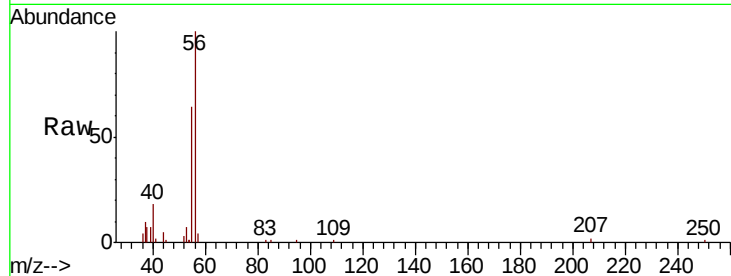
55 73.2 56.7 85.1

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#14

Allyl chloride

Concen: 54.662 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

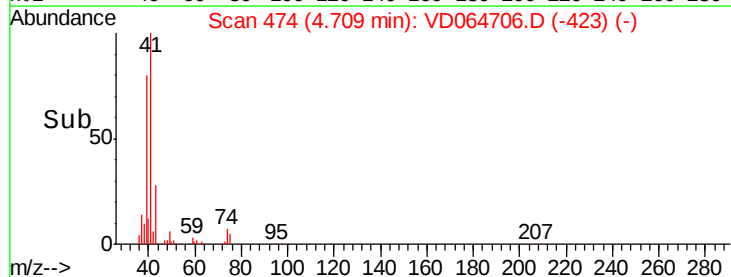
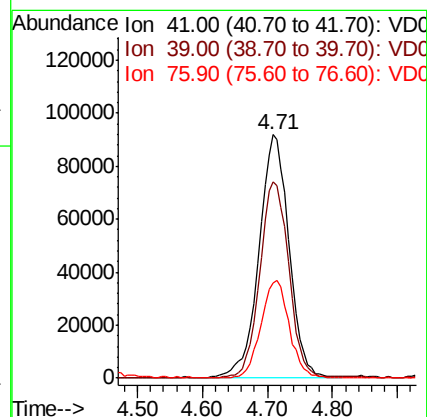
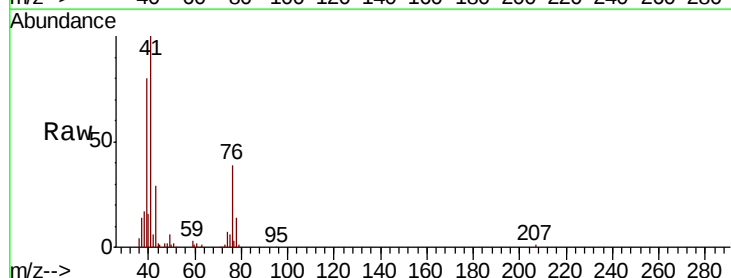
Tgt Ion: 41 Resp: 294203

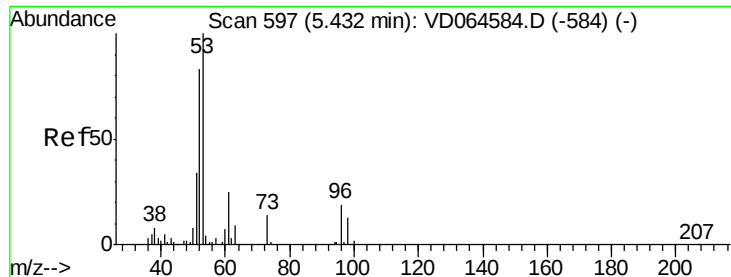
Ion Ratio Lower Upper

41 100

39 78.1 62.3 93.5

76 38.1 29.7 44.5





#15

Acrylonitrile

Concen: 287.419 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

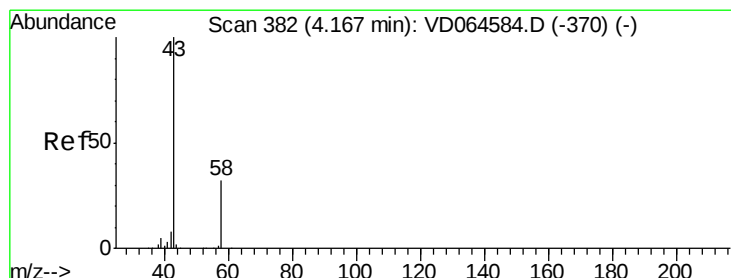
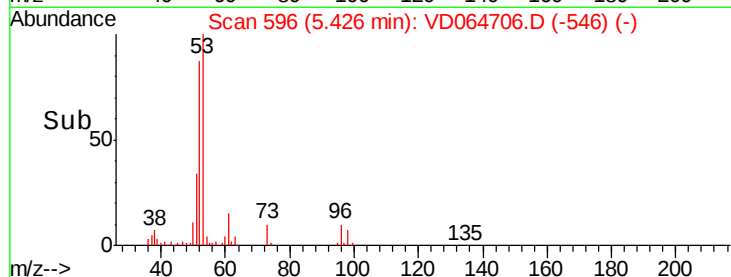
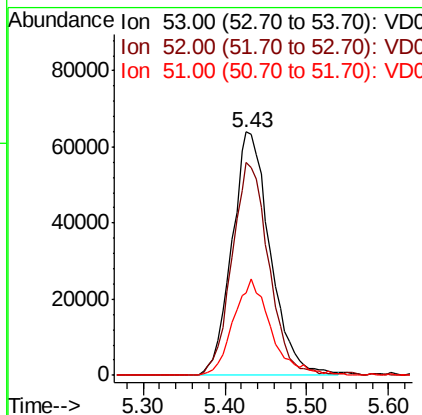
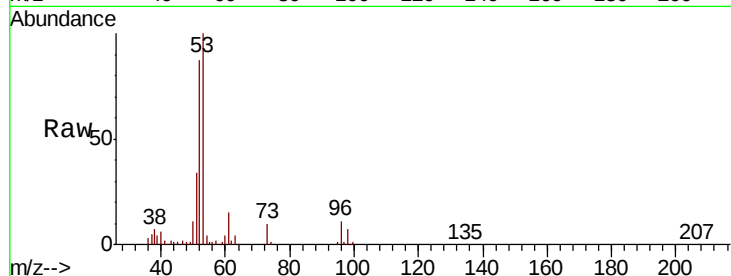
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	208145
Ion Ratio		Lower	Upper
53	100		
52	83.9	66.2	99.2
51	38.8	30.1	45.1

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#16

Acetone

Concen: 238.639 ug/l

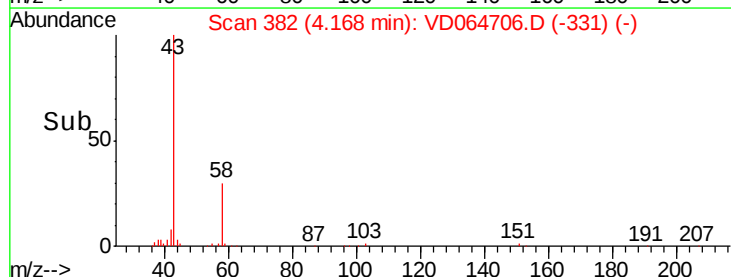
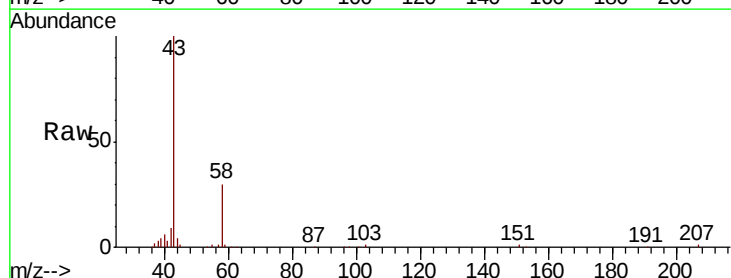
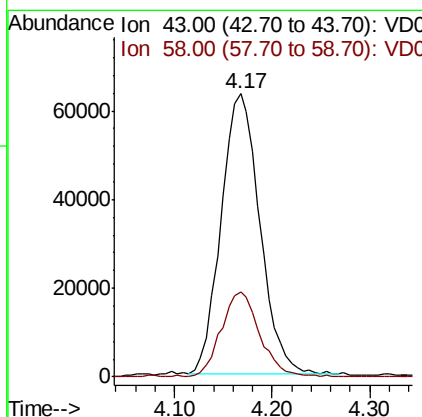
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion:	43	Resp:	174671
Ion Ratio		Lower	Upper
43	100		
58	30.2	25.8	38.6





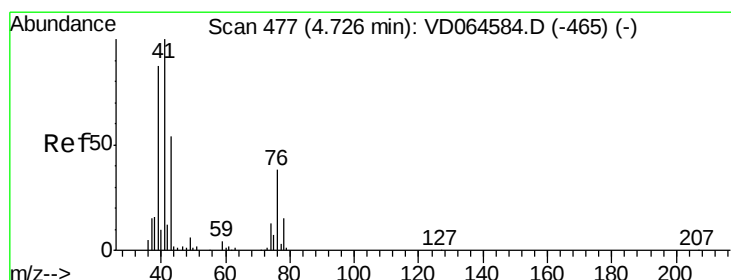
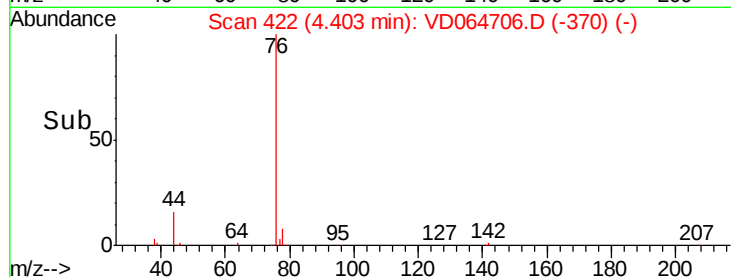
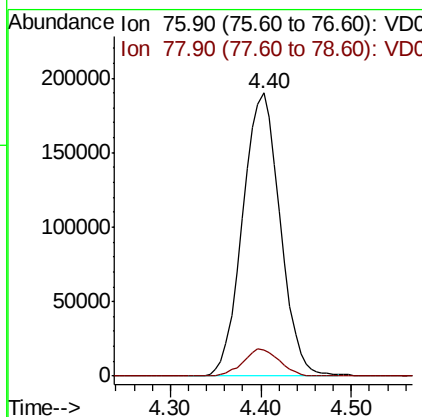
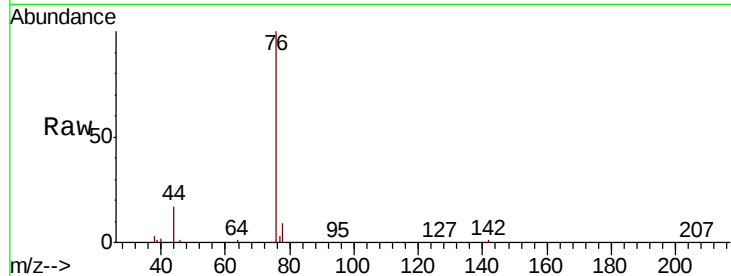
#17
Carbon Disulfide
Concen: 48.978 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

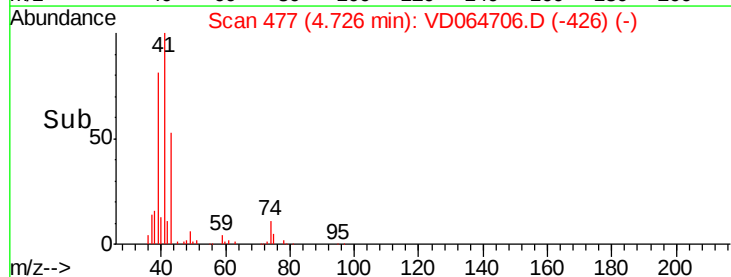
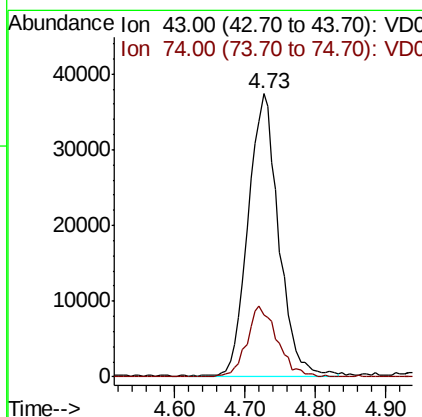
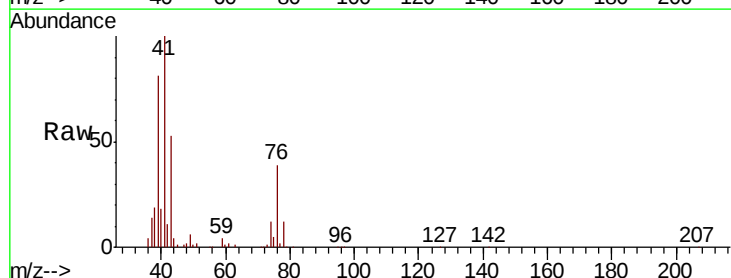
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#18
Methyl Acetate
Concen: 58.575 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





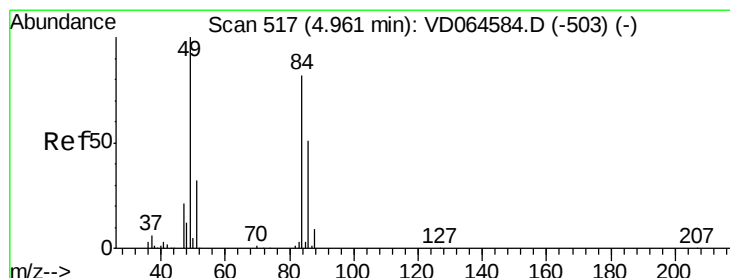
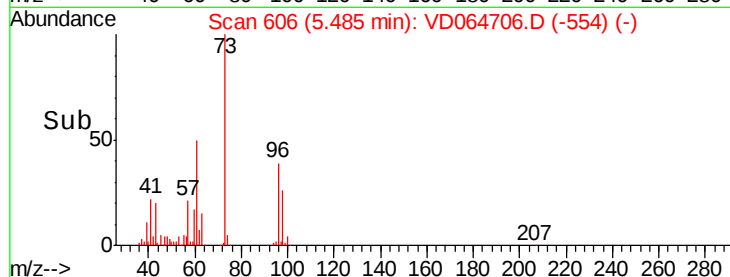
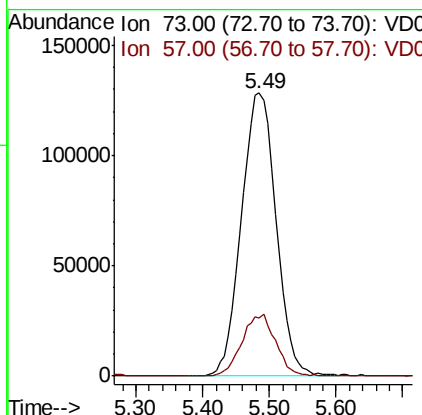
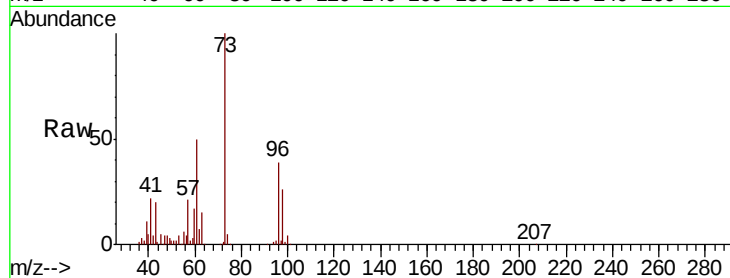
#19
Methyl tert-butyl Ether
Concen: 59.922 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	18.6	27.8

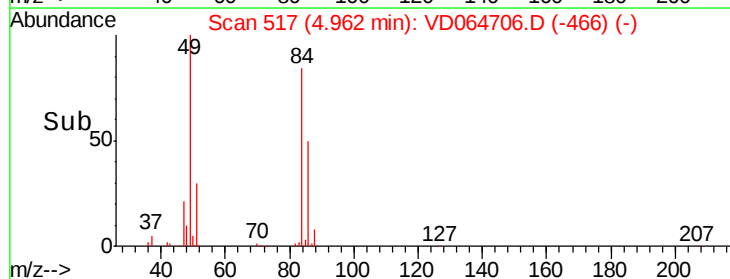
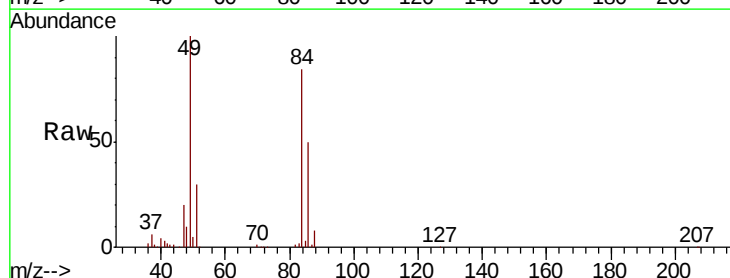
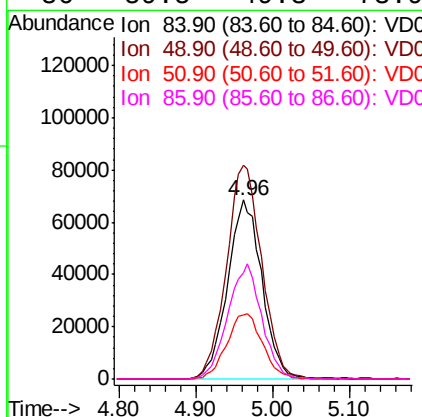
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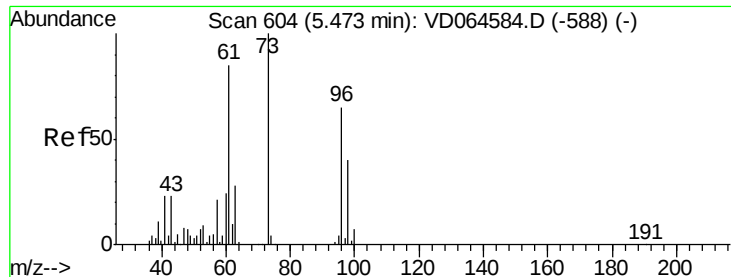
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#20
Methylene Chloride
Concen: 61.384 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.3	97.2	145.8
51	35.5	31.4	47.0
86	59.5	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 53.046 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

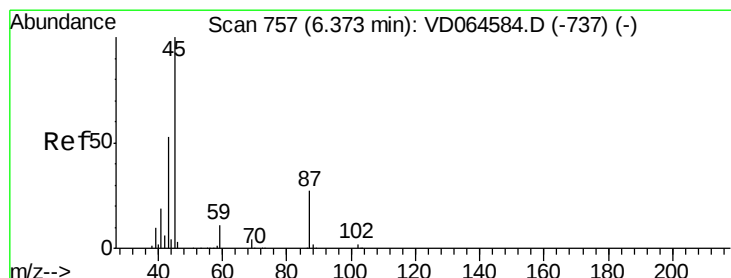
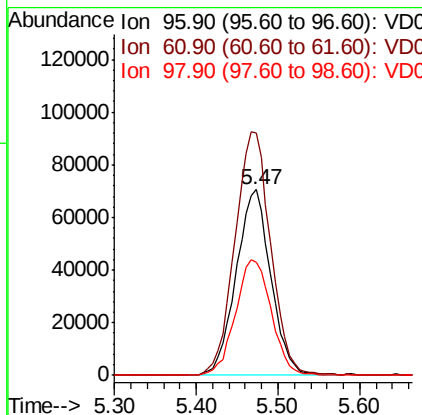
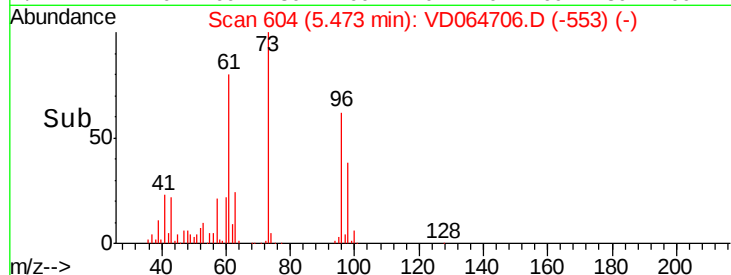
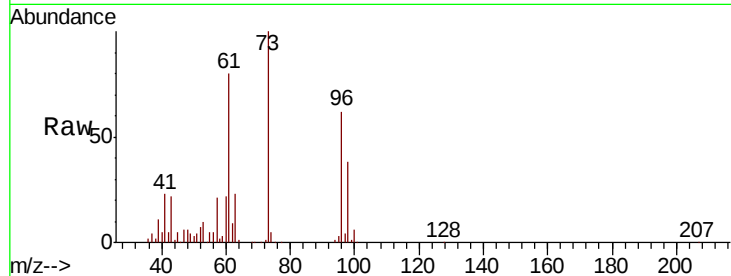
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	208542
Ion Ratio	Lower	Upper	
96	100		
61	130.2	104.7	157.1
98	61.2	49.4	74.2

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#22

Diisopropyl ether

Concen: 57.751 ug/l

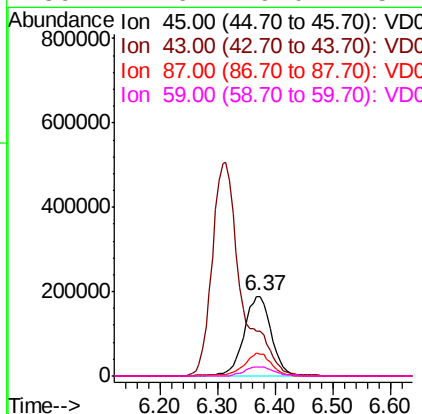
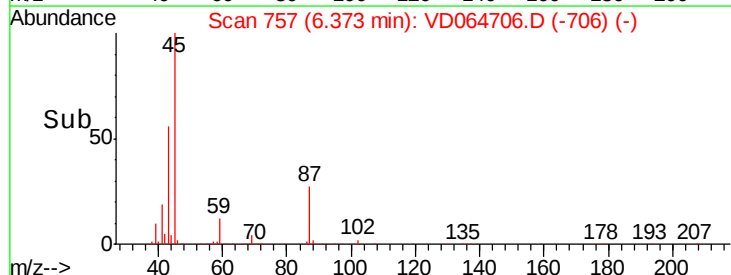
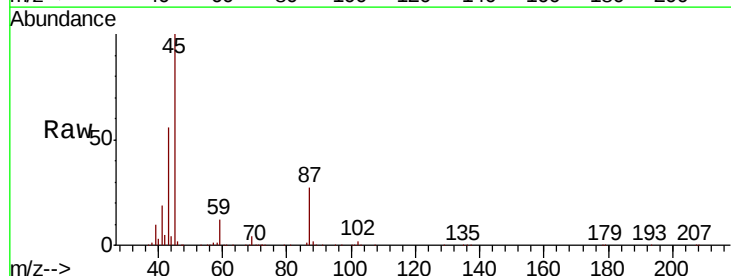
RT: 6.37 min Scan# 757

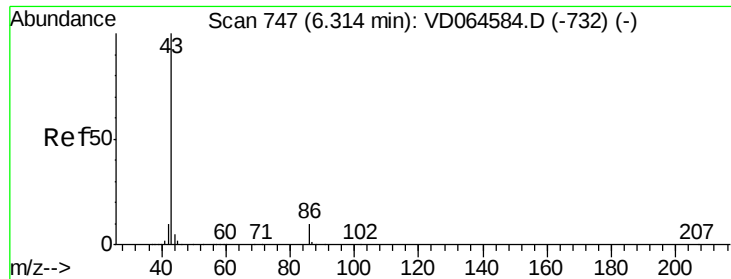
Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion:	45	Resp:	619974
Ion Ratio	Lower	Upper	
45	100		
43	55.1	43.2	64.8
87	27.4	21.9	32.9
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 292.041 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1778436

Ion Ratio Lower Upper

43 100

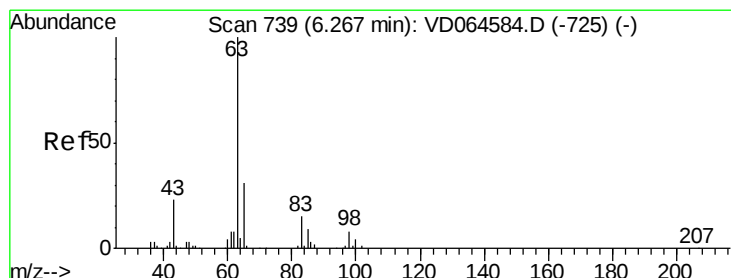
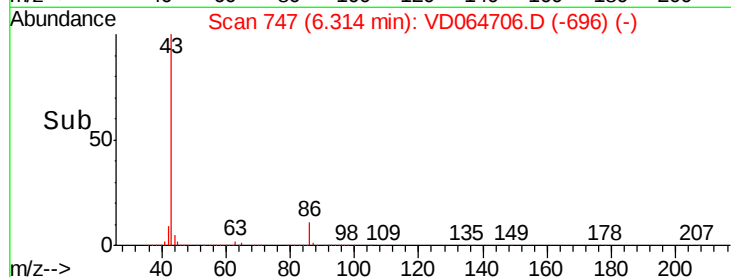
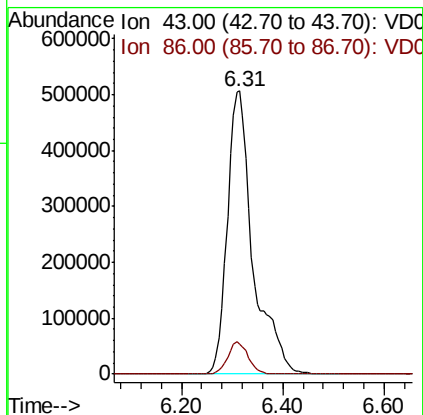
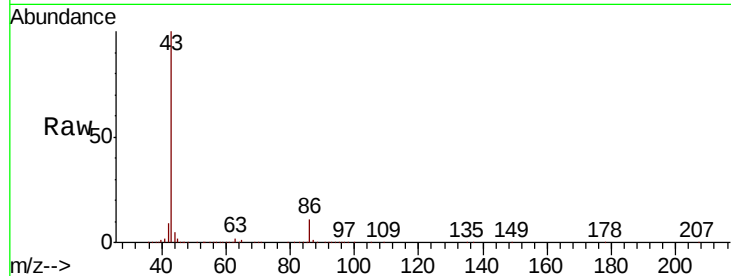
86 10.8 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 56.276 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

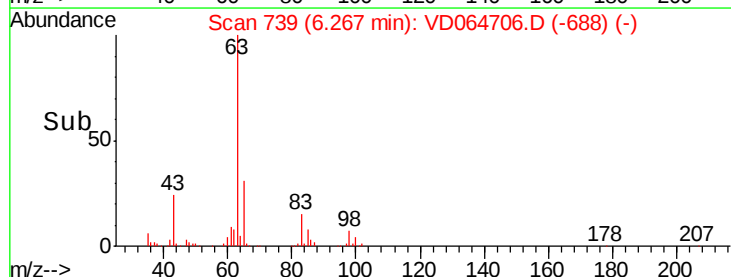
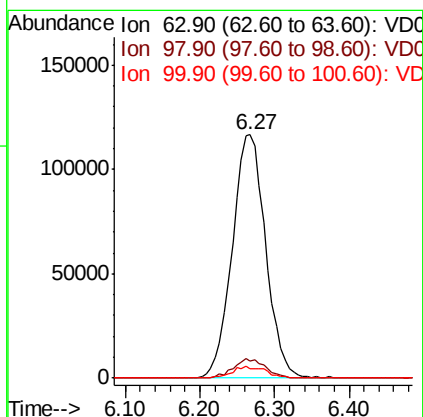
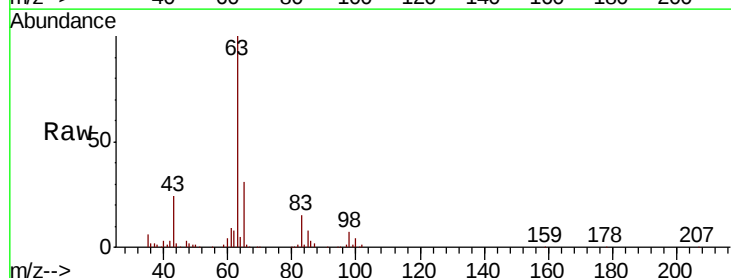
Tgt Ion: 63 Resp: 362684

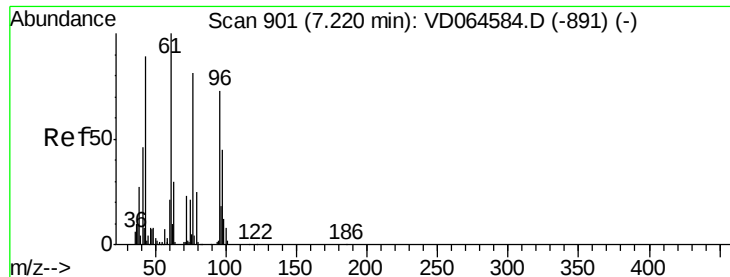
Ion Ratio Lower Upper

63 100

98 7.1 4.1 12.3

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 280.727 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 266984

Ion Ratio Lower Upper

43 100

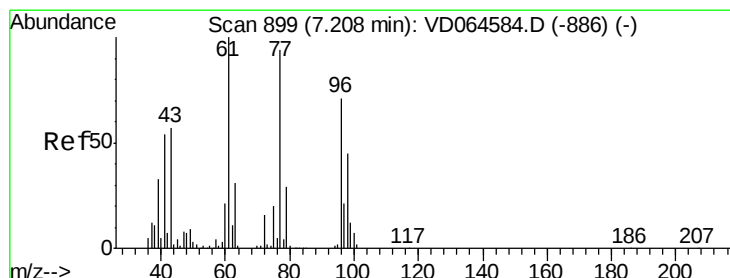
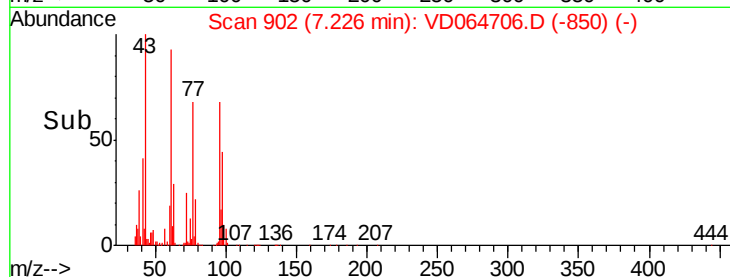
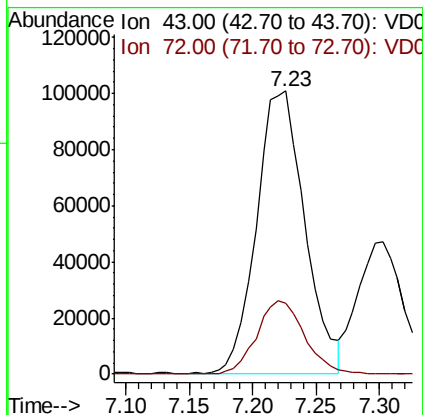
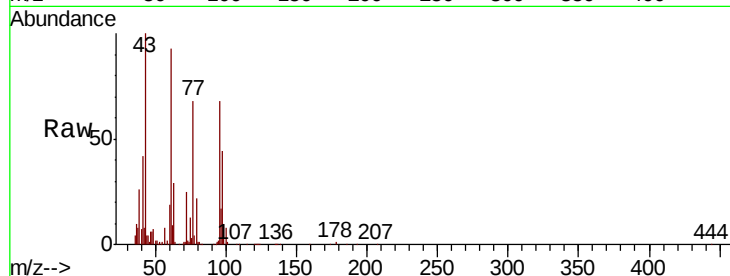
72 25.0 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 47.872 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064706.D

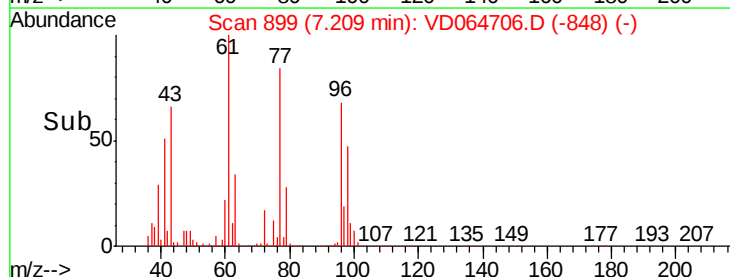
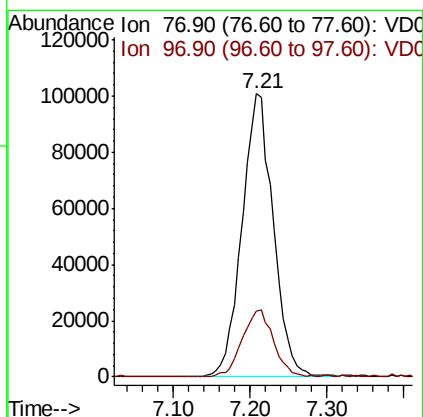
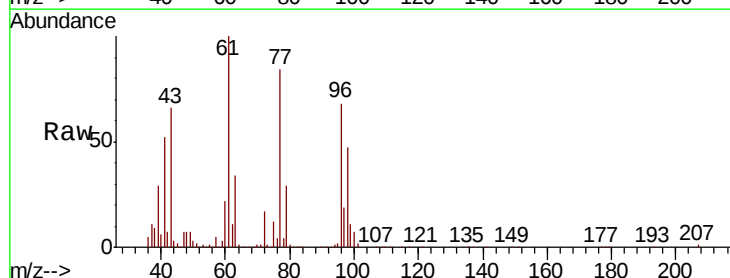
Acq: 31 Dec 2019 20:33

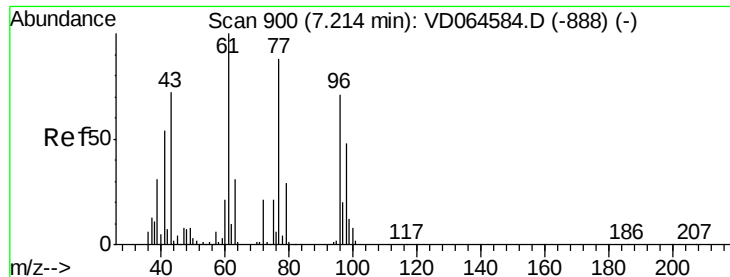
Tgt Ion: 77 Resp: 286847

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.6





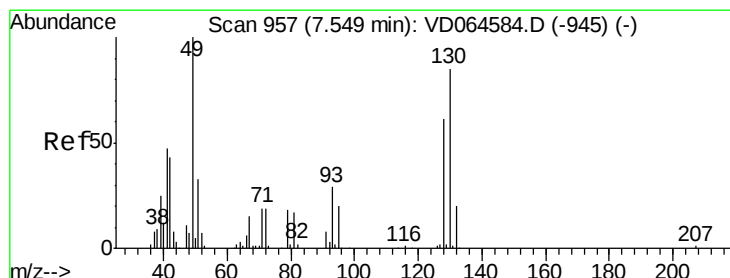
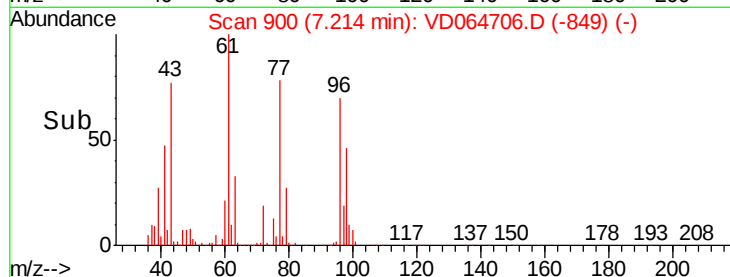
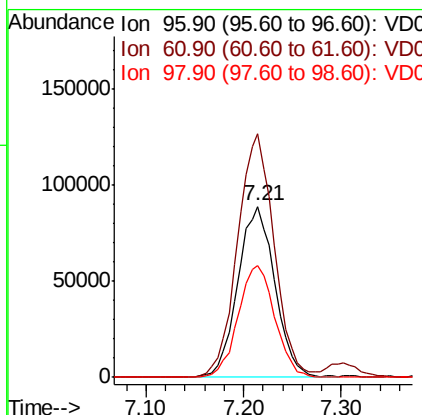
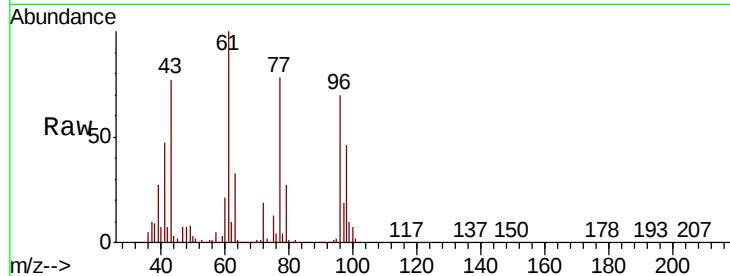
#27
 cis-1,2-Dichloroethene
 Concen: 55.761 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	236586		
61	140.4	0.0	282.6	
98	64.5	0.0	130.8	

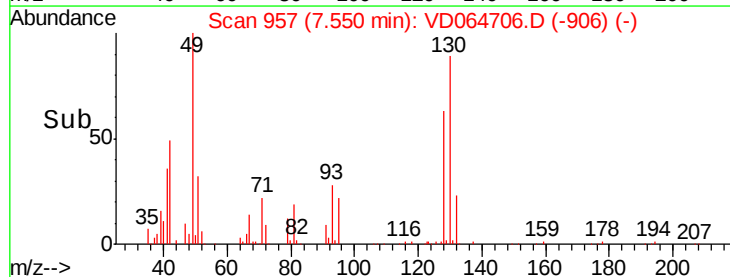
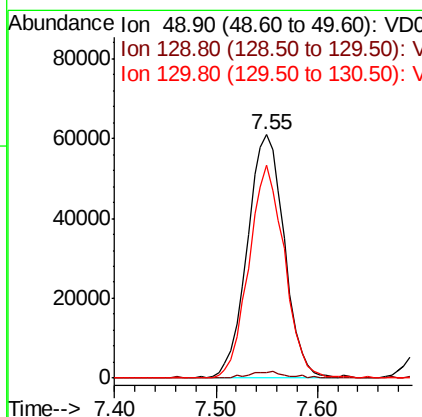
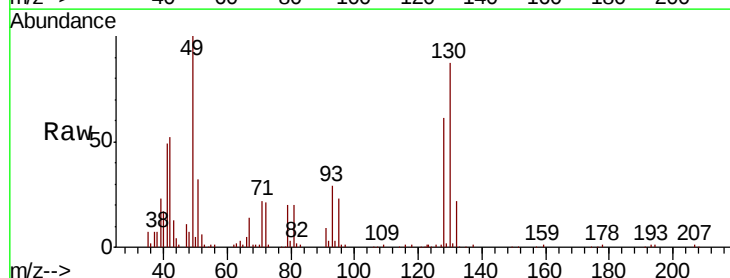
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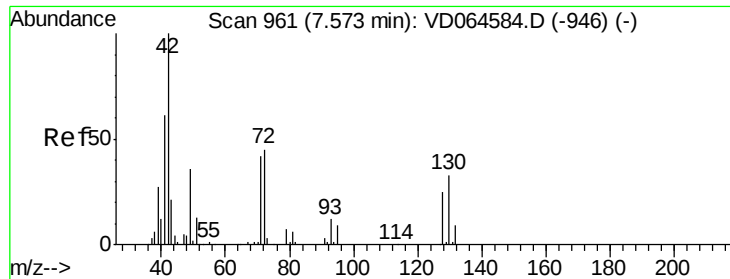
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#28
 Bromochloromethane
 Concen: 61.938 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	155169		
129	2.7	0.0	4.8	
130	84.6	65.0	97.6	





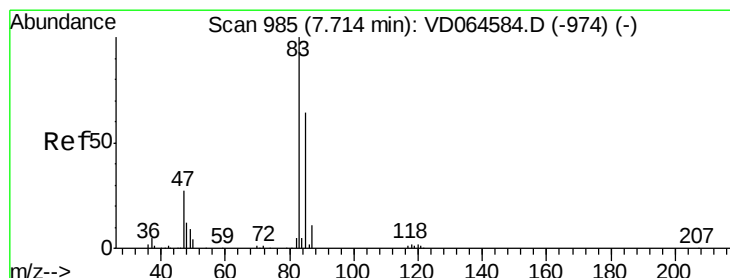
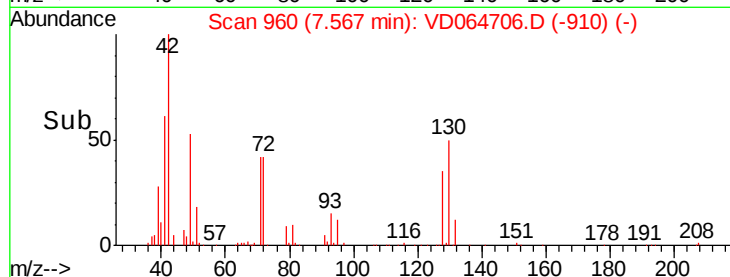
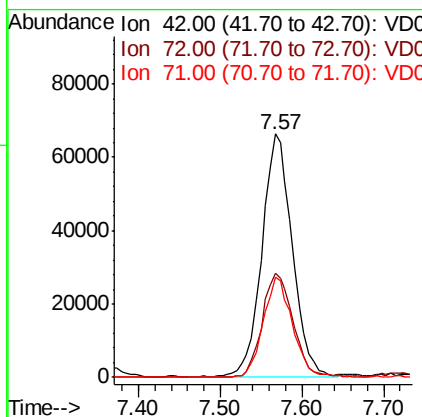
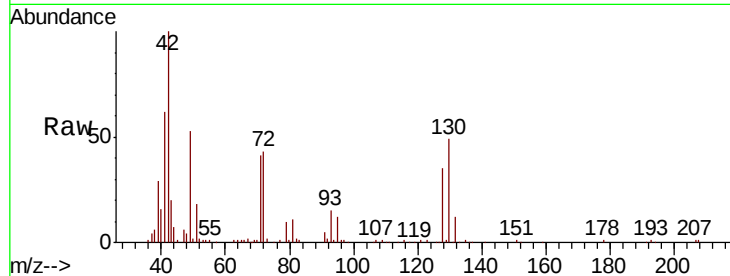
#29
Tetrahydrofuran
Concen: 290.899 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	39.7	32.9	49.3

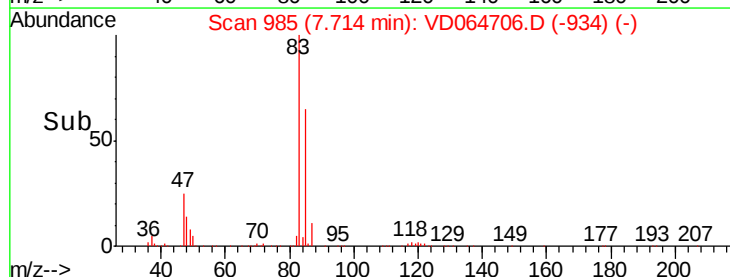
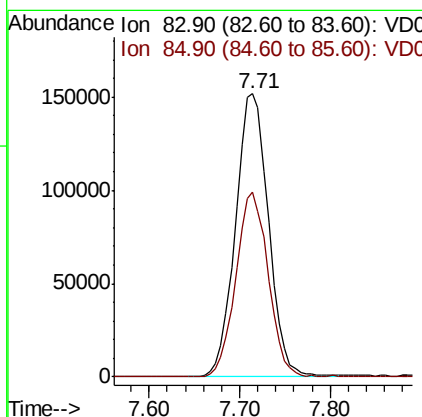
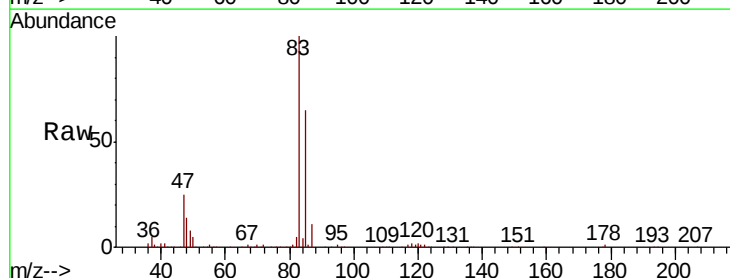
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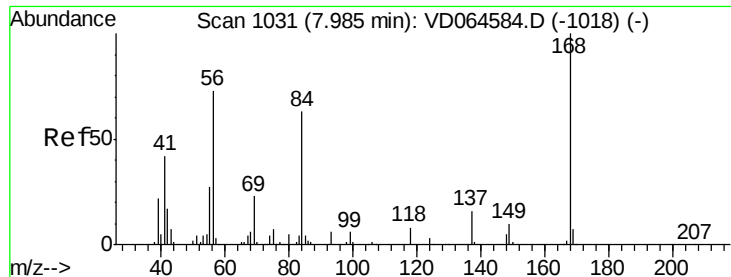
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#30
Chloroform
Concen: 56.777 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7





#31

Cyclohexane

Concen: 45.513 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

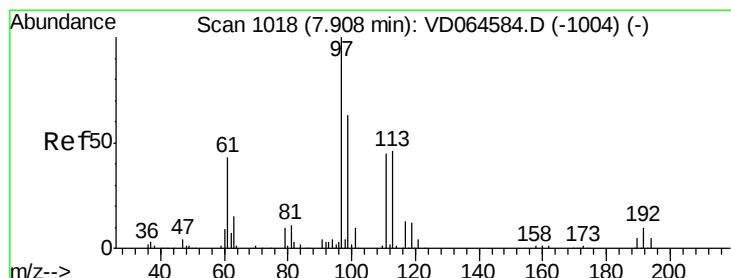
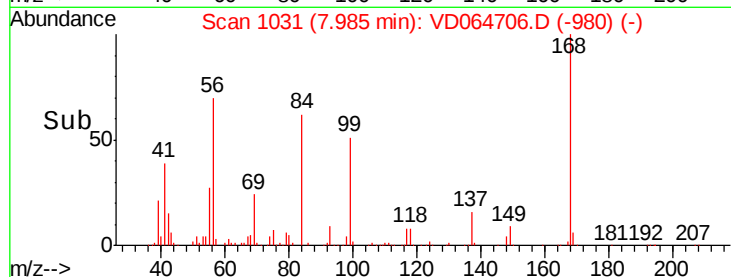
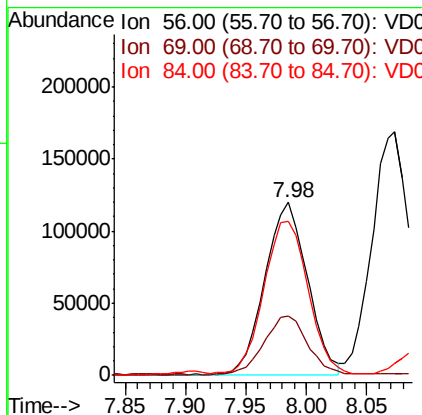
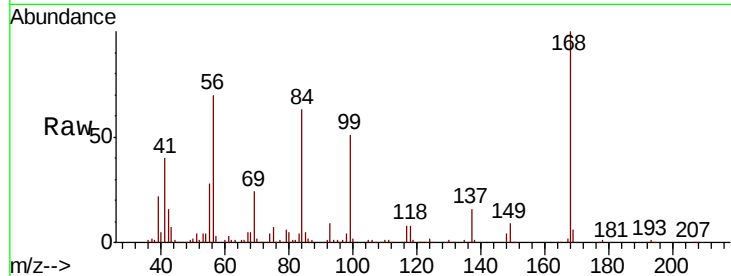
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	293614
Ion Ratio	Lower	Upper	
56	100		
69	33.6	24.7	37.1
84	86.5	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 52.694 ug/l

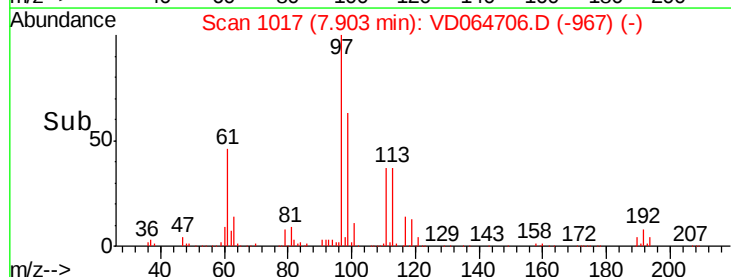
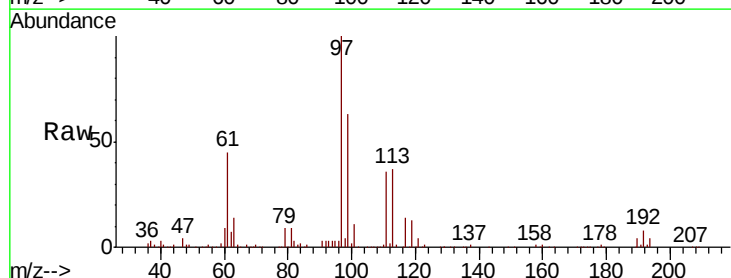
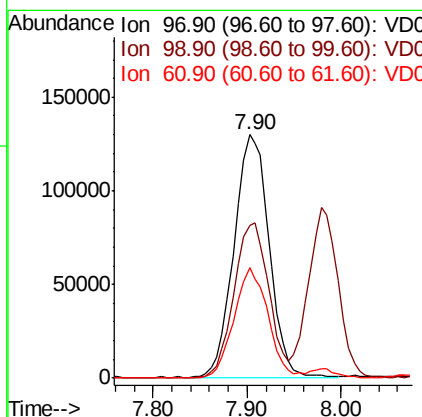
RT: 7.90 min Scan# 1017

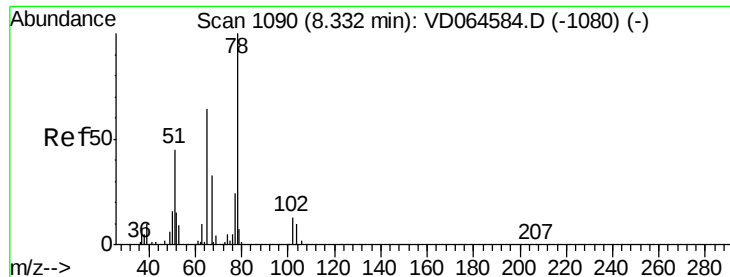
Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion:	97	Resp:	334657
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.0	76.6
61	44.4	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 54.332 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 187982

Ion Ratio Lower Upper

65 100

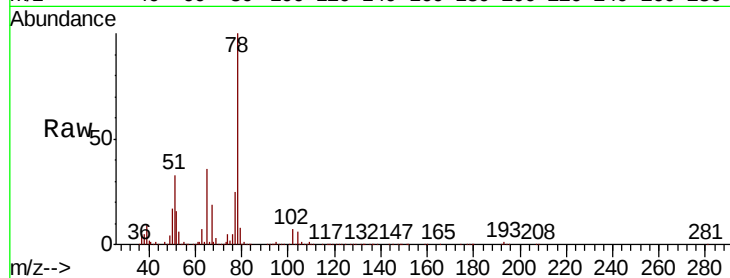
67 51.5 0.0 106.2

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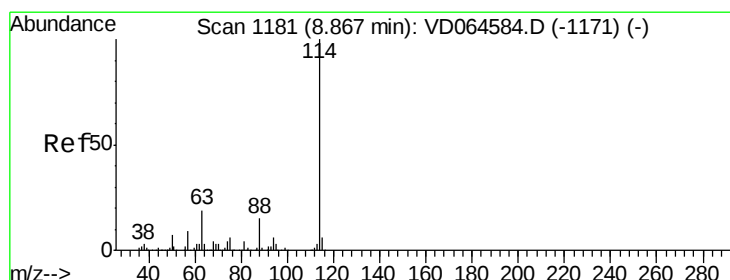
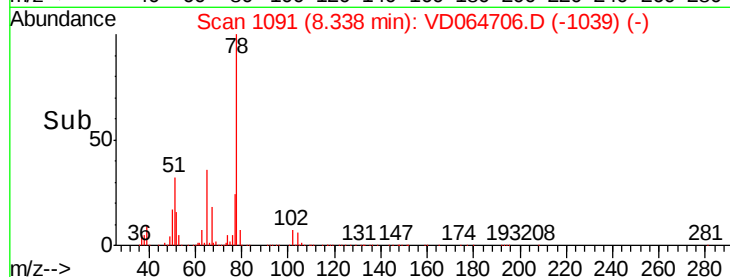
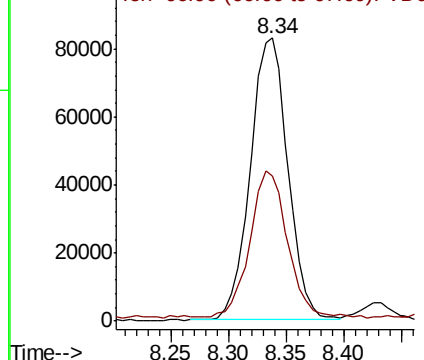
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

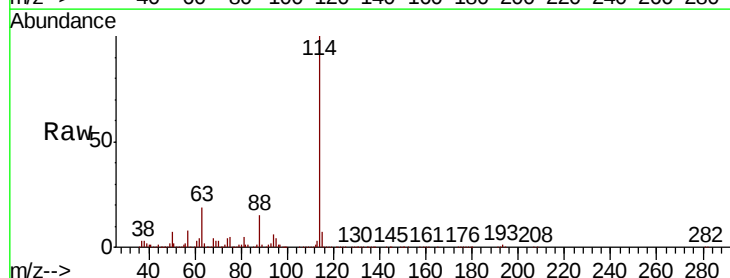
Tgt Ion: 114 Resp: 614040

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.0

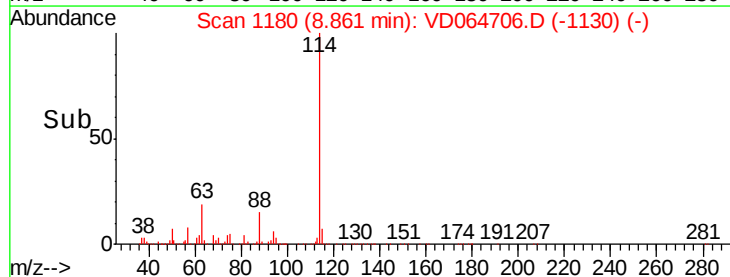
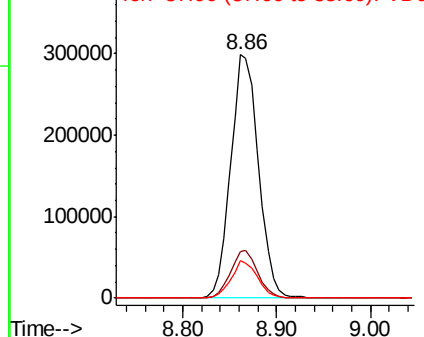
88 15.3 0.0 29.2

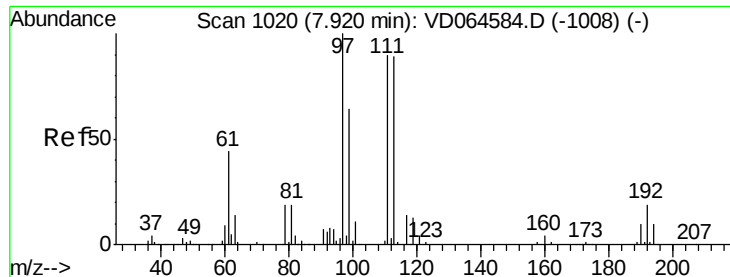


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





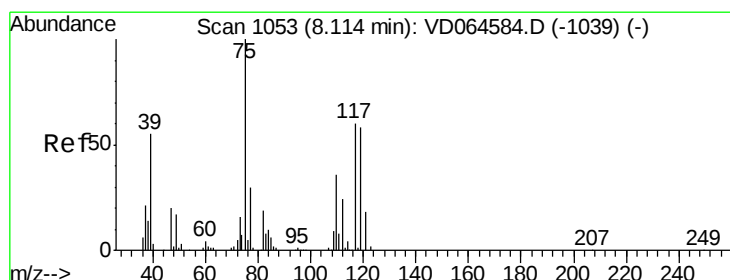
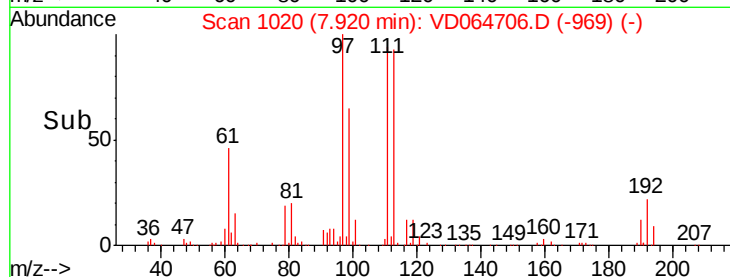
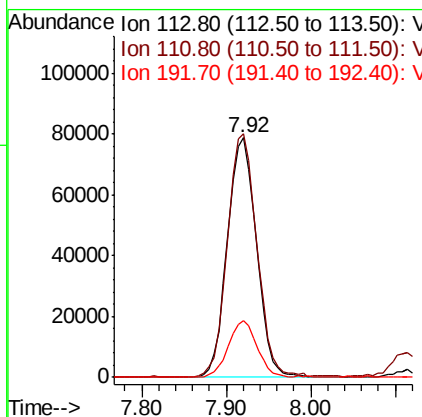
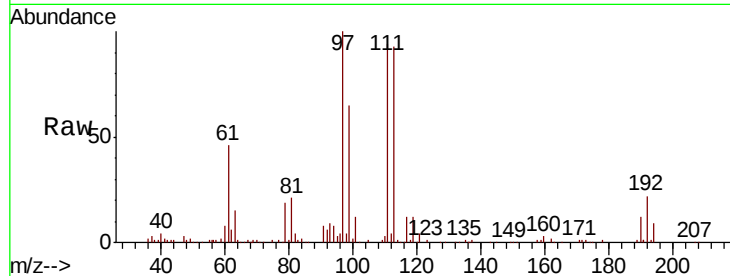
#35
 Dibromofluoromethane
 Concen: 49.734 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187359		
111	102.0	80.6	121.0	
192	23.3	17.9	26.9	

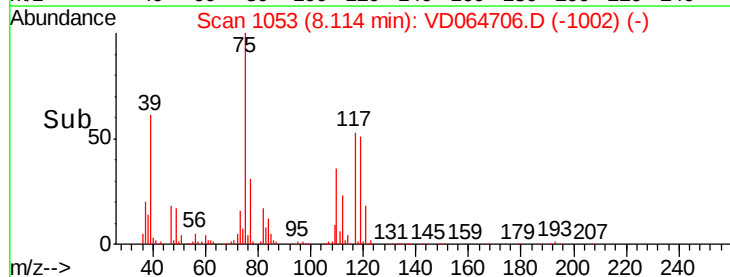
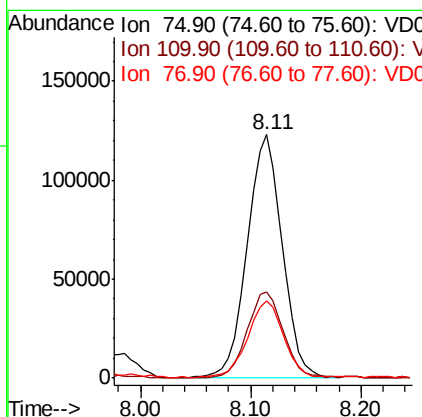
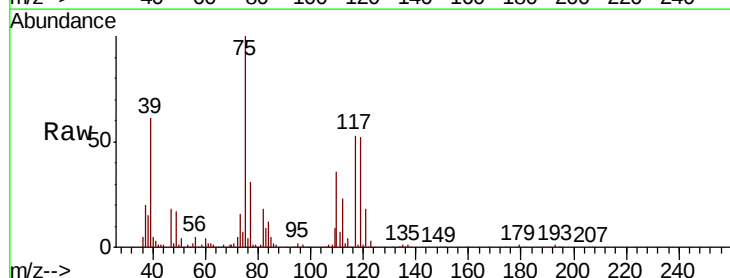
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#36
 1,1-Dichloropropene
 Concen: 46.338 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	273861		
110	36.9	18.1	54.1	
77	32.0	24.2	36.4	





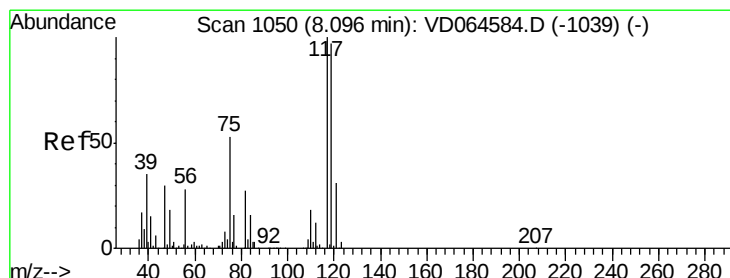
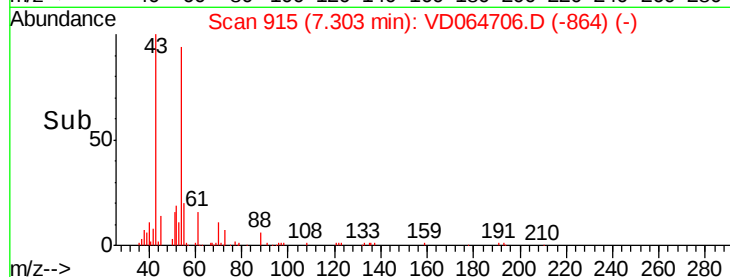
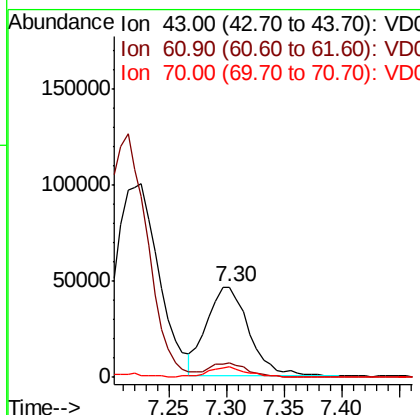
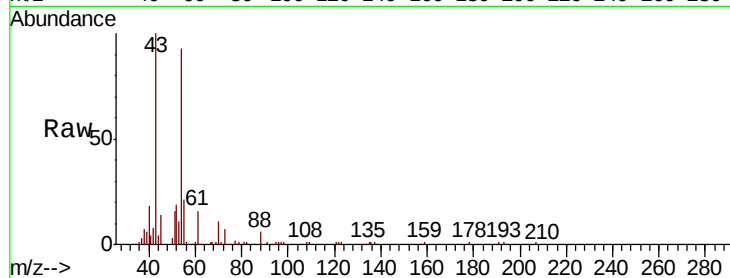
#37
Ethyl Acetate
Concen: 50.907 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.3	15.5
70	10.9	7.6	11.4

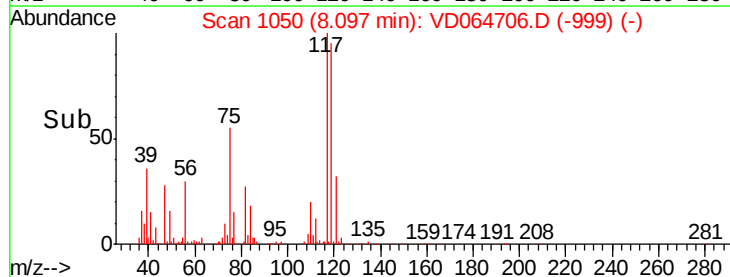
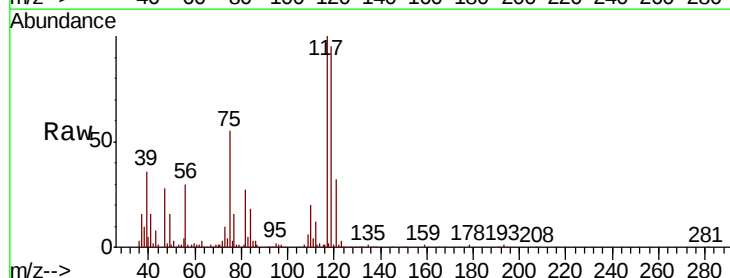
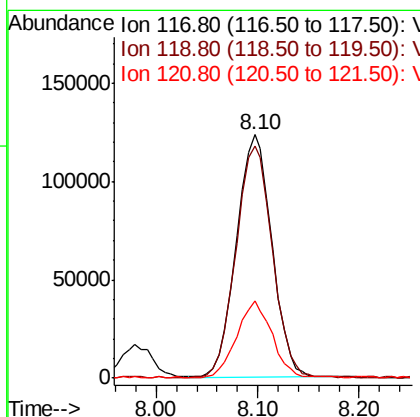
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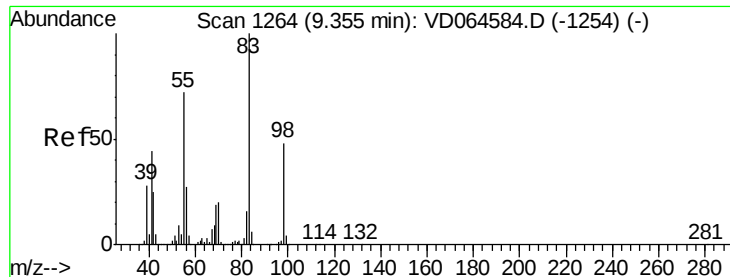
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#38
Carbon Tetrachloride
Concen: 47.611 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.3	115.9
121	31.7	25.0	37.6





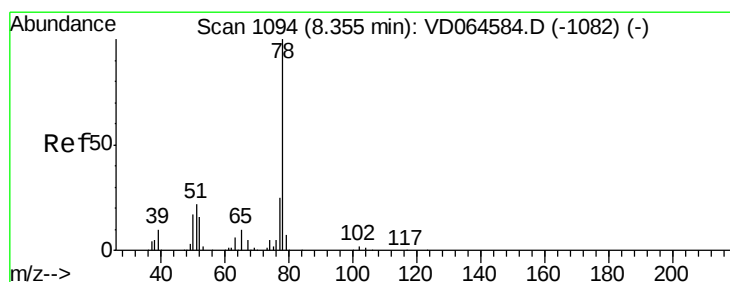
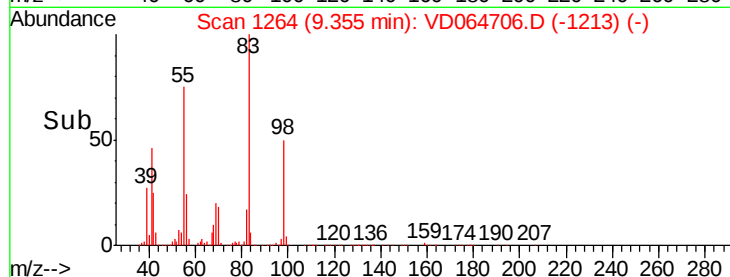
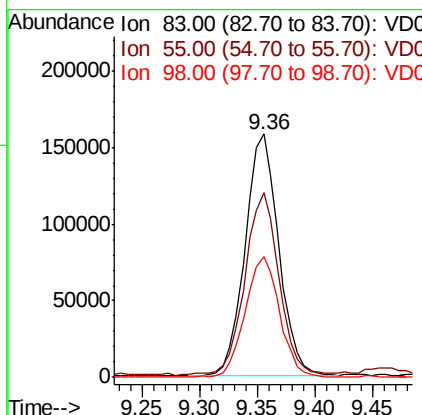
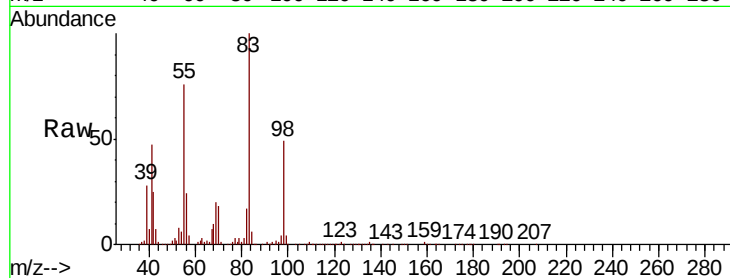
#39
Methvlcvclohexane
Concen: 45.005 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	57.8	86.6
98	49.4	38.7	58.1

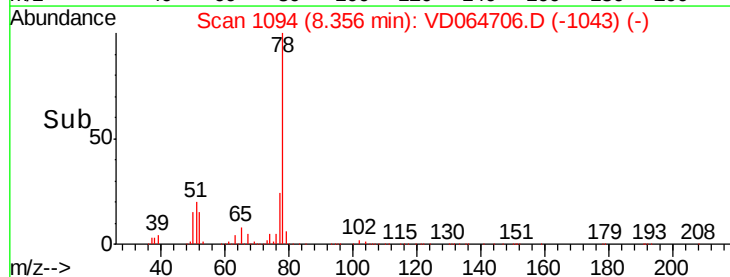
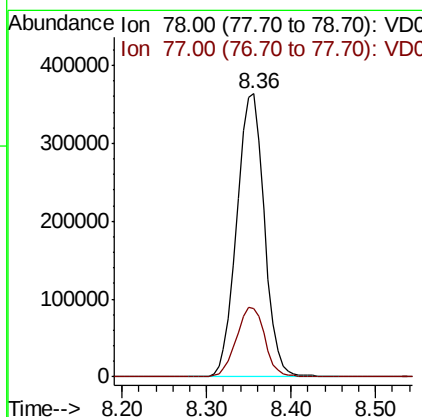
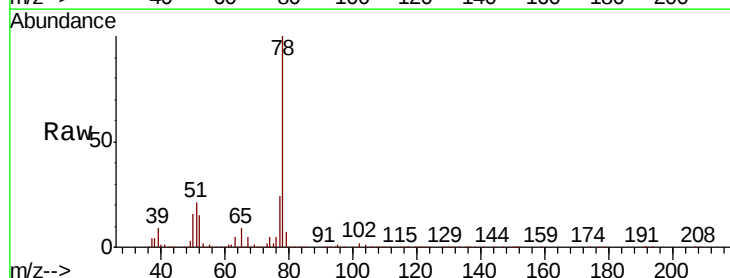
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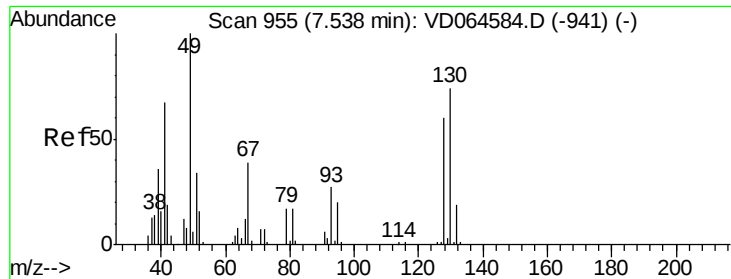
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#40
Benzene
Concen: 50.839 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.9	29.9





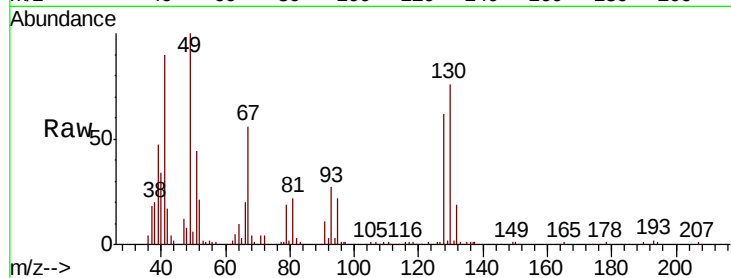
#41
Methacrylonitrile
Concen: 60.661 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	46.7	70.1	
67	64.6	52.5	78.7	
52	27.2	24.1	36.1	

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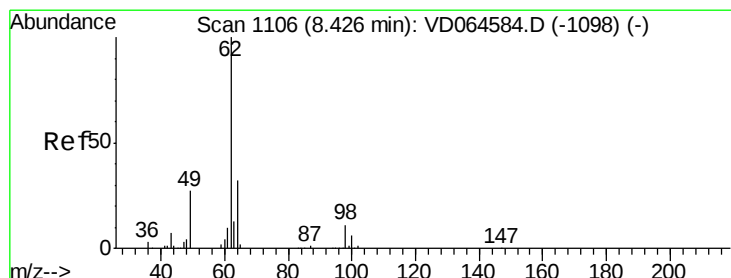
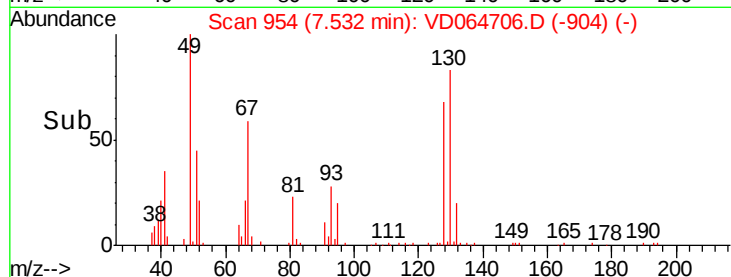
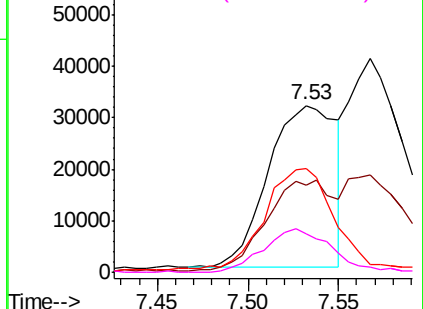
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

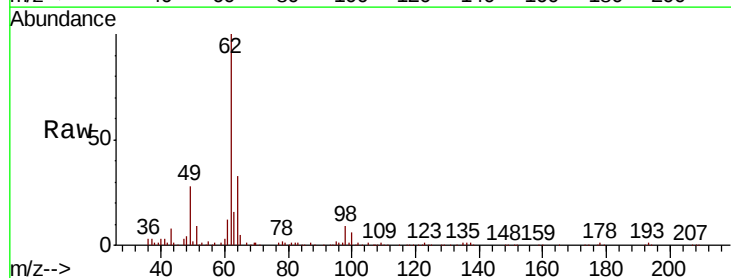
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 53.936 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

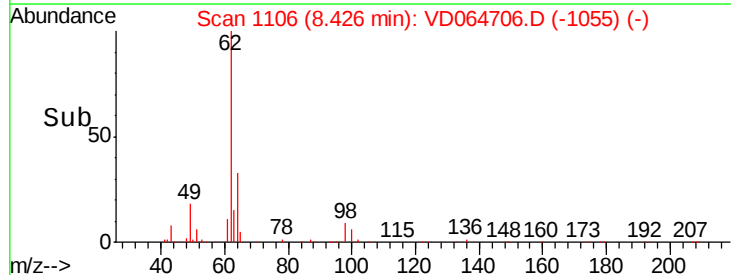
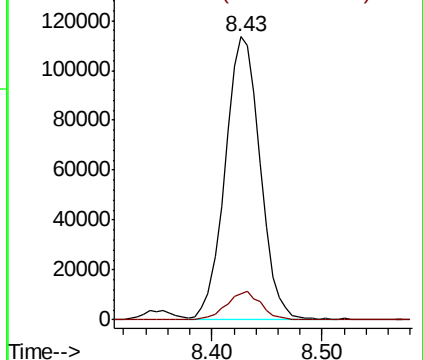
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.0	

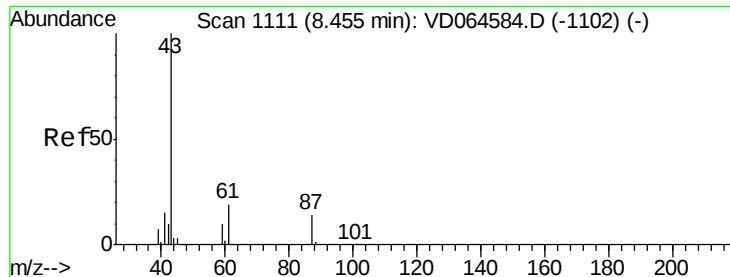


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

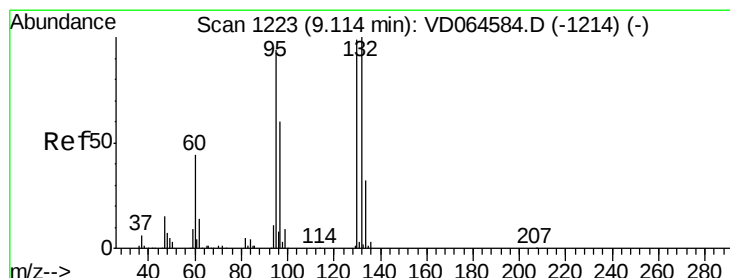
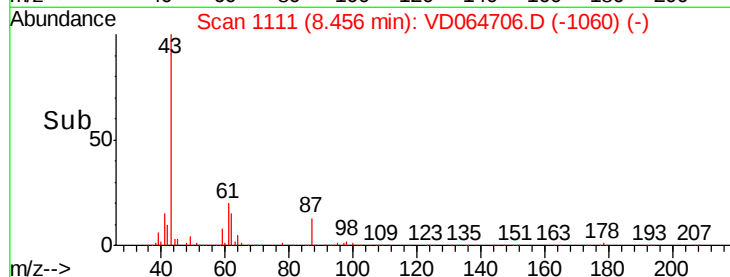
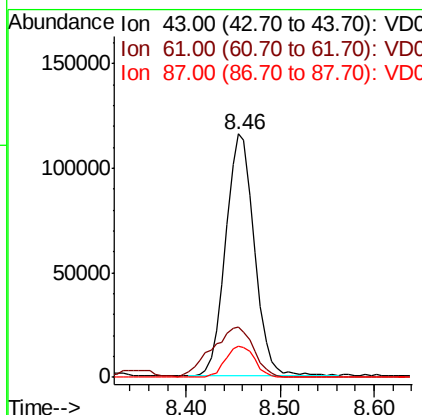
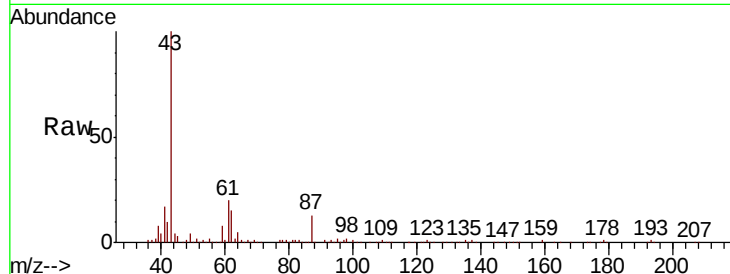
Isopropyl Acetate
 Concen: 52.982 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	244846
Ion Ratio	100	Lower	Upper
43	100		
61	29.7	23.7	35.5
87	13.3	10.5	15.7

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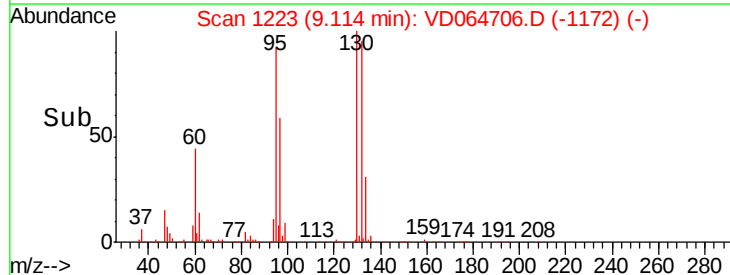
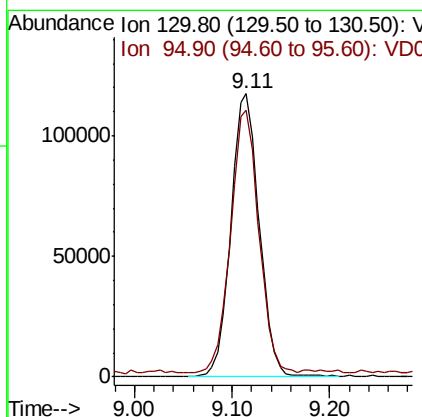
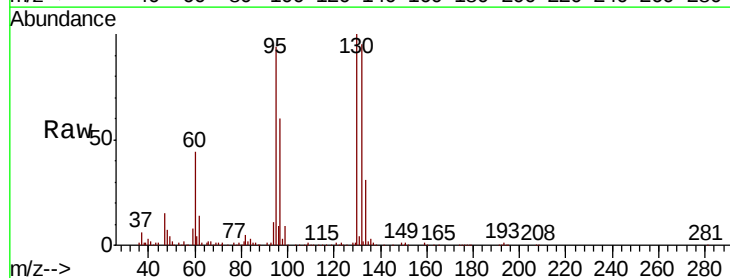
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#44

Trichloroethene
 Concen: 49.987 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion	130	Resp	236924
Ion Ratio	100	Lower	Upper
130	100		
95	92.6	0.0	190.2





#45

1,2-Dichloropropane

Concen: 52.969 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 204046

Ion Ratio Lower Upper

63 100

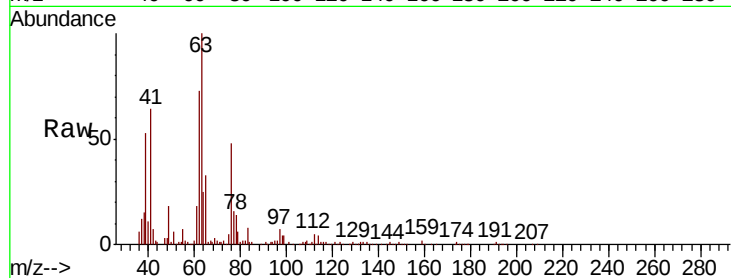
65 32.3 25.2 37.8

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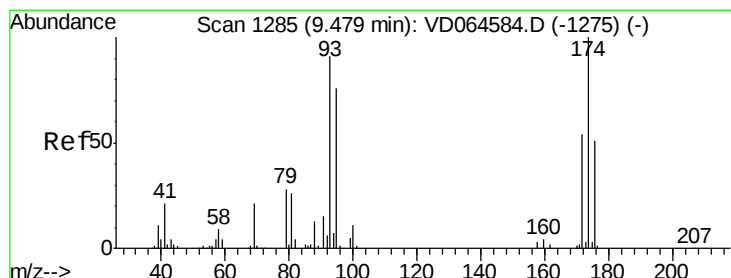
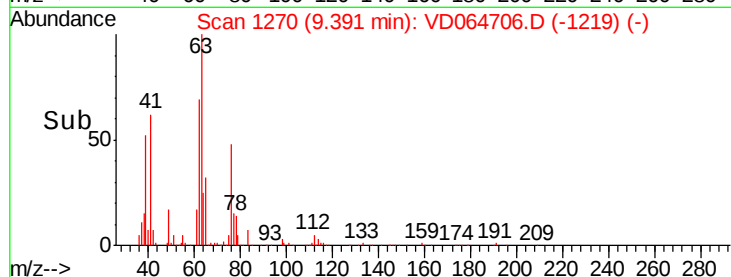
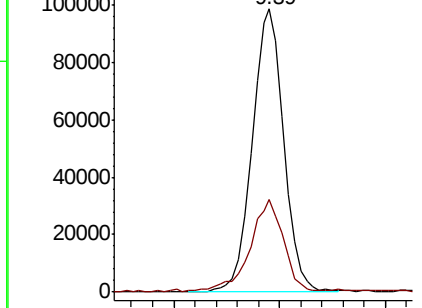
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.853 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

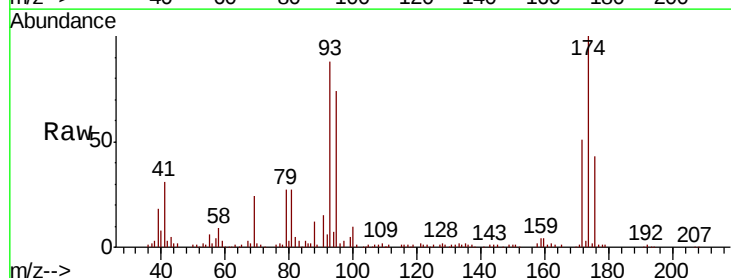
Tgt Ion: 93 Resp: 113514

Ion Ratio Lower Upper

93 100

95 85.1 64.6 97.0

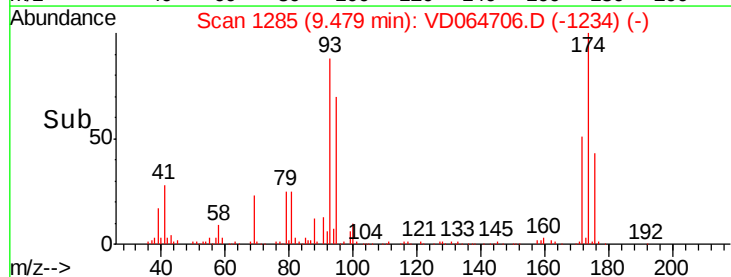
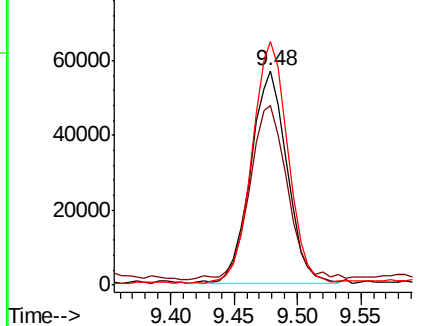
174 112.5 88.1 132.1

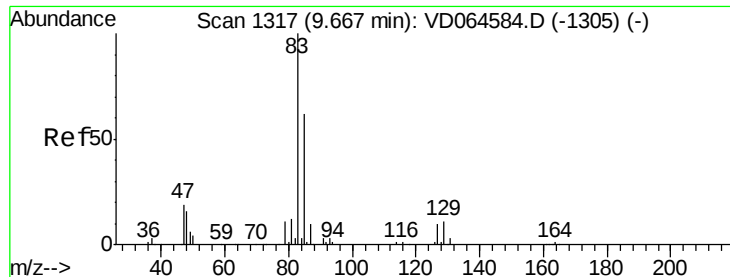


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 53.043 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

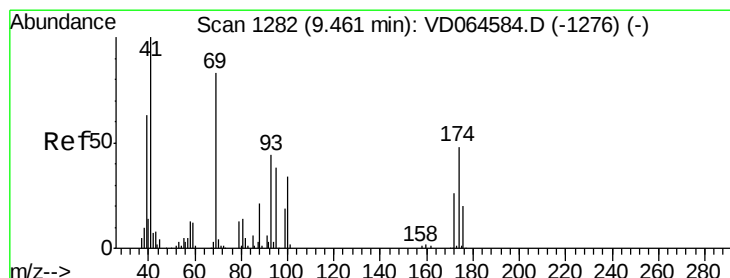
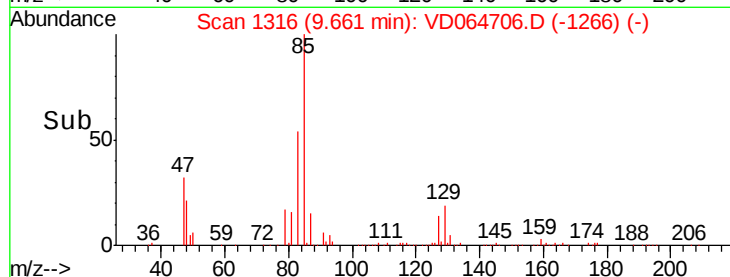
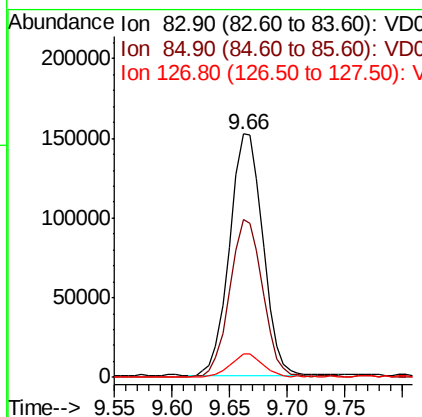
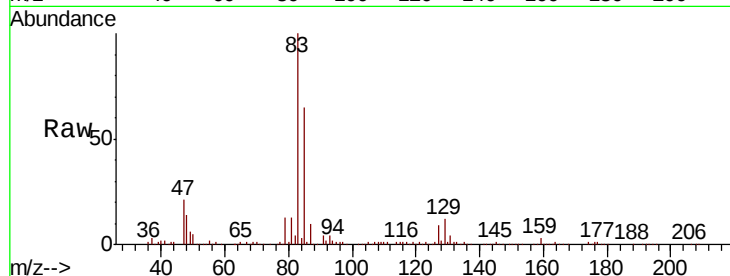
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	303142
Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.5	74.3
127	9.3	7.8	11.6

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#48

Methyl methacrylate

Concen: 53.175 ug/l

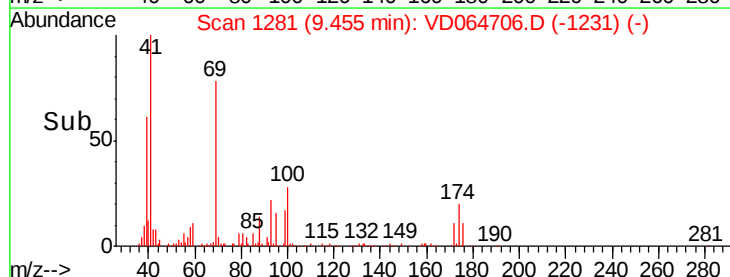
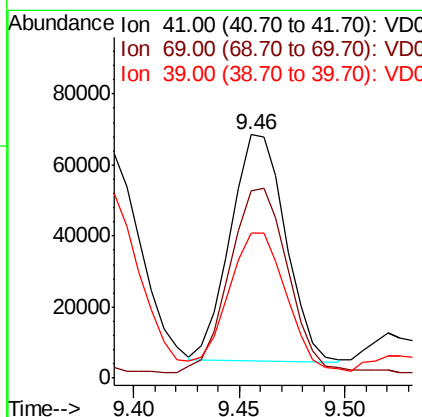
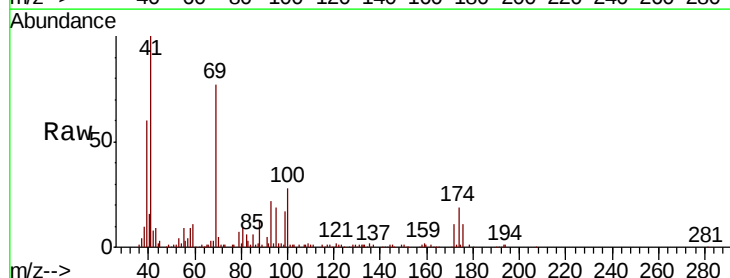
RT: 9.46 min Scan# 1281

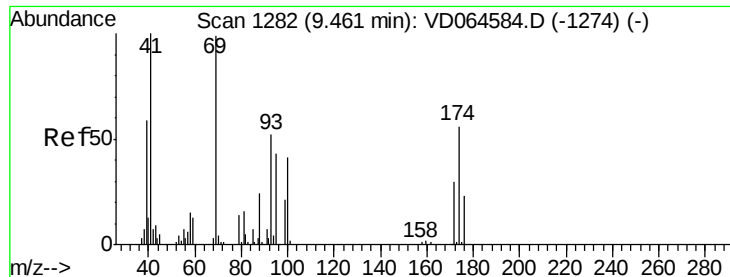
Delta R.T. -0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion:	41	Resp:	115708
Ion	Ratio	Lower	Upper
41	100		
69	87.9	63.0	94.6
39	67.9	47.4	71.2





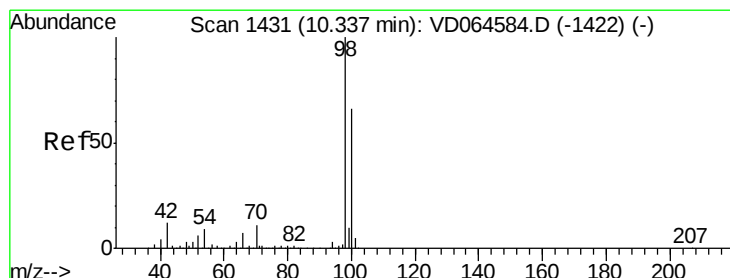
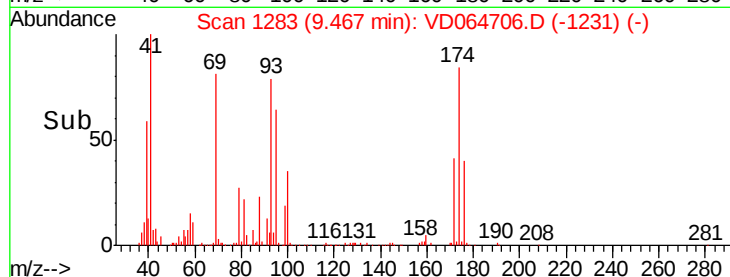
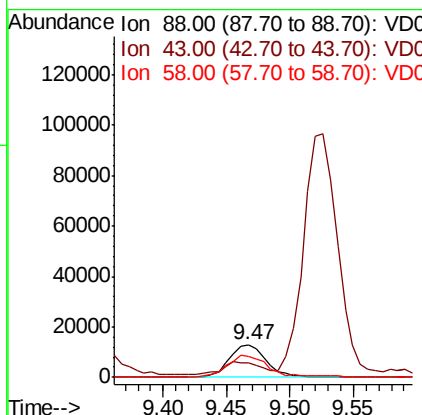
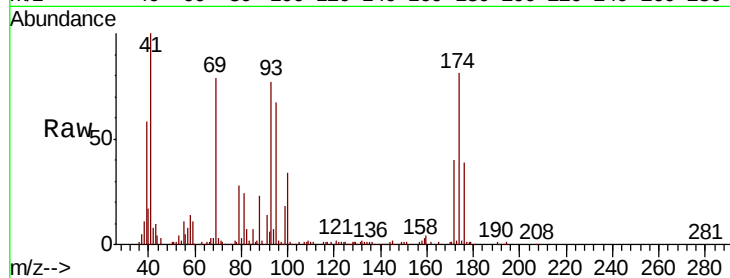
#49
1,4-Dioxane
Concen: 1055.934 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	26150
Ion	Ratio	Lower	Upper
88	100		
43	37.4	27.7	41.5
58	77.0	53.8	80.6

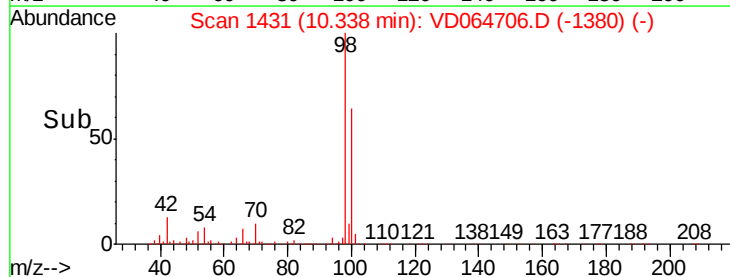
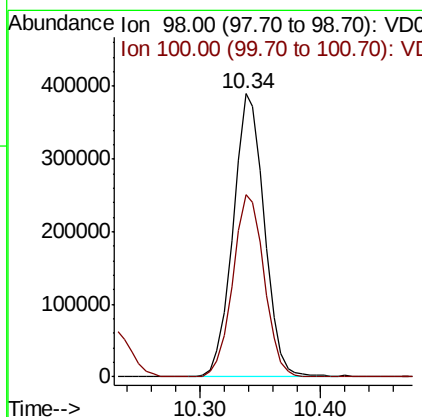
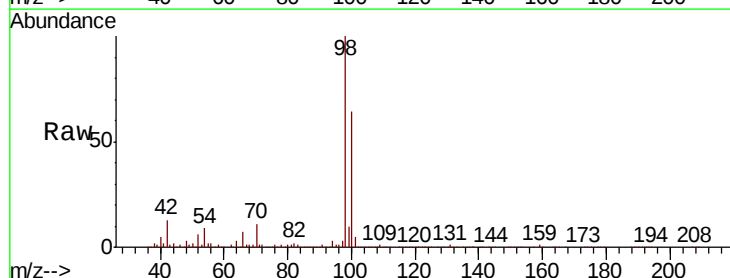
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#50
Toluene-d8
Concen: 48.692 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	98	Resp	702530
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 270.836 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 618651

Ion Ratio Lower Upper

43 100

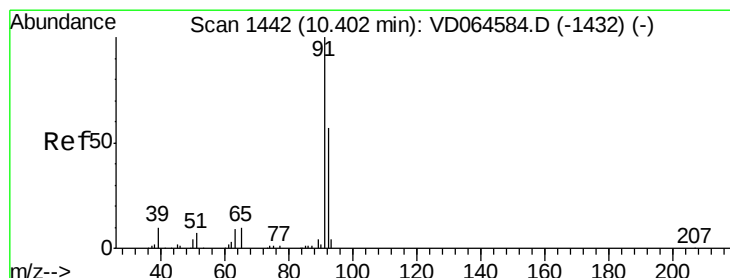
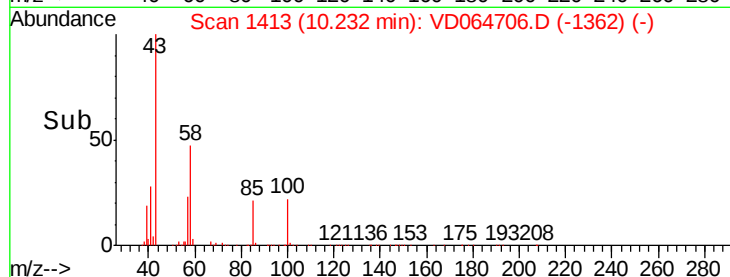
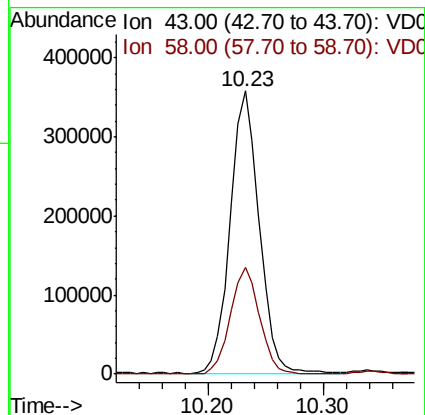
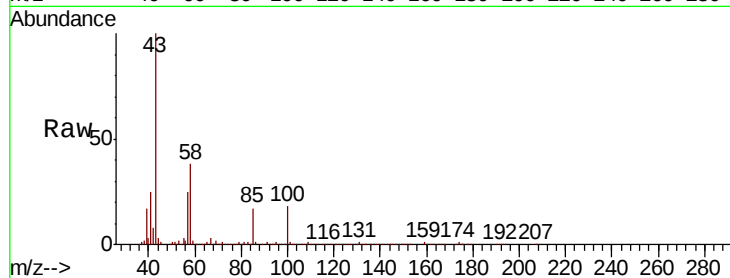
58 38.5 30.2 45.2

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#52

Toluene

Concen: 51.309 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064706.D

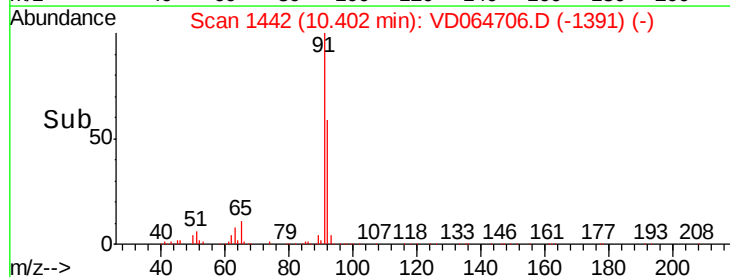
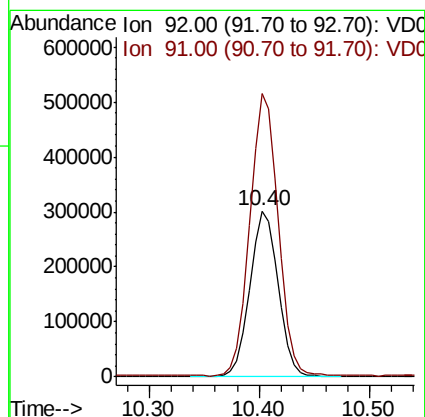
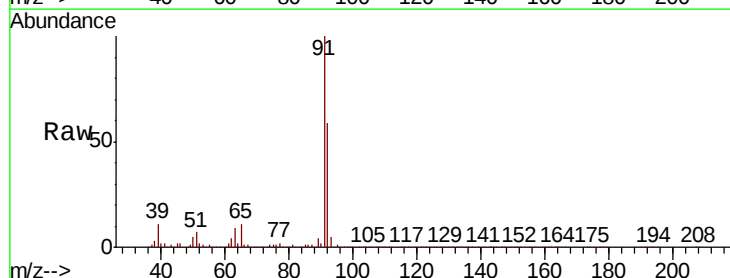
Acq: 31 Dec 2019 20:33

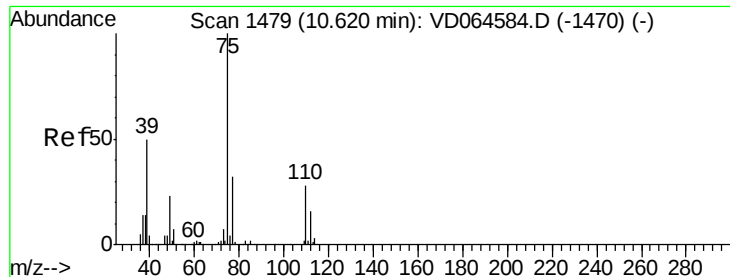
Tgt Ion: 92 Resp: 543112

Ion Ratio Lower Upper

92 100

91 170.3 138.7 208.1





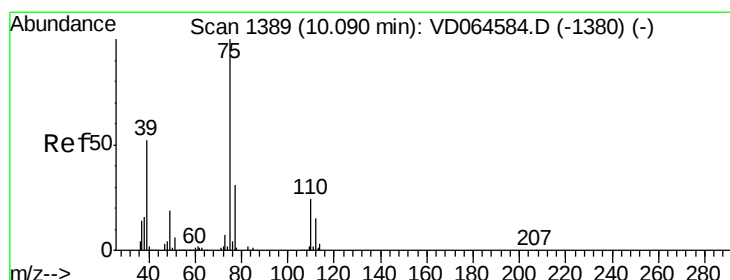
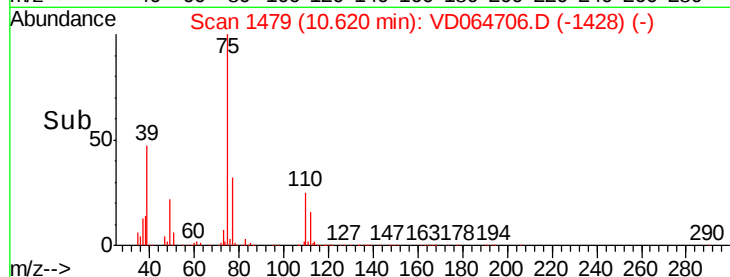
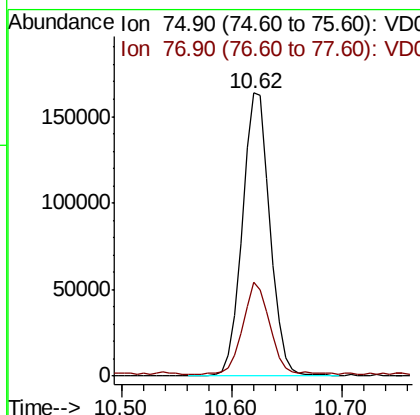
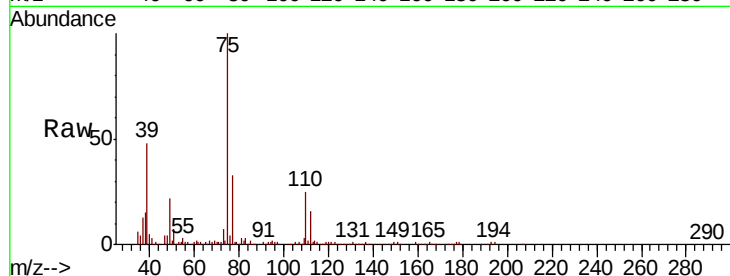
#53
t-1,3-Dichloropropene
Concen: 54.114 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2

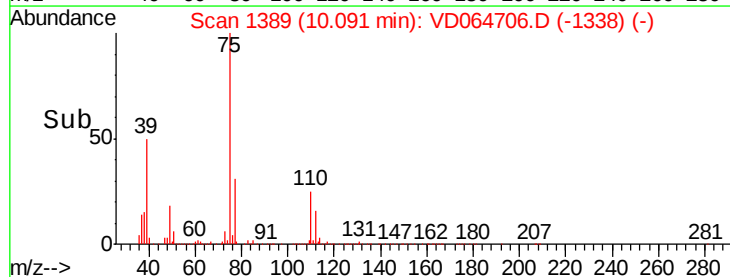
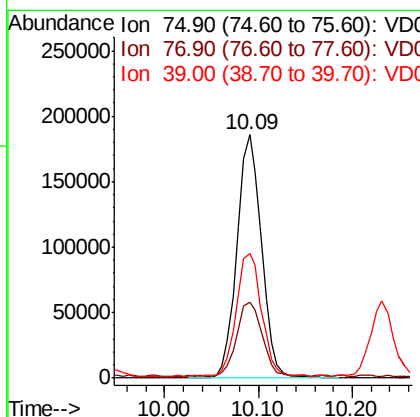
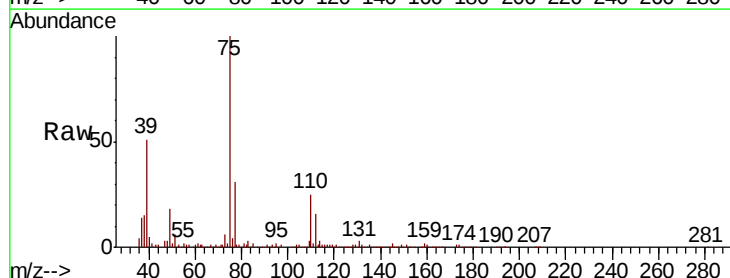
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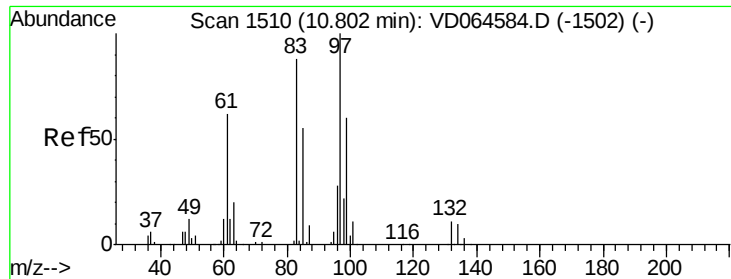
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#54
cis-1,3-Dichloropropene
Concen: 53.652 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.6	36.8
39	50.2	41.4	62.2





#55

1,1,2-Trichloroethane

Concen: 54.393 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 157438

Ion Ratio Lower Upper

97 100

83 87.5 70.2 105.4

85 55.2 44.0 66.0

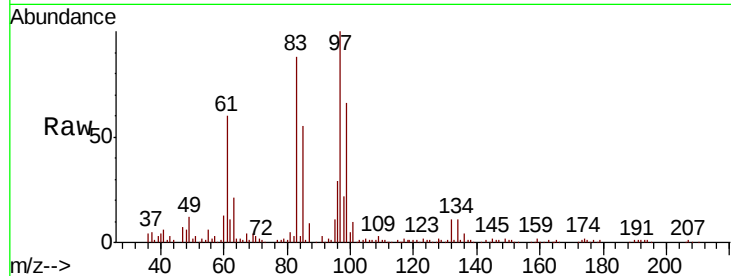
99 67.1 47.8 71.6

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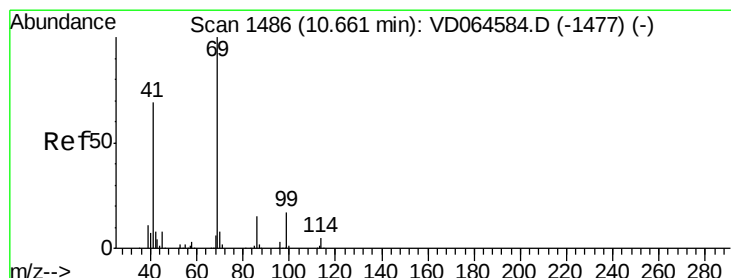
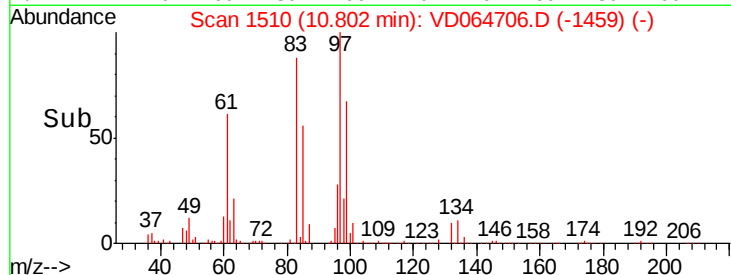
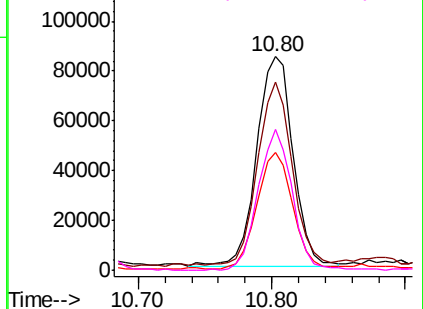


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 55.672 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

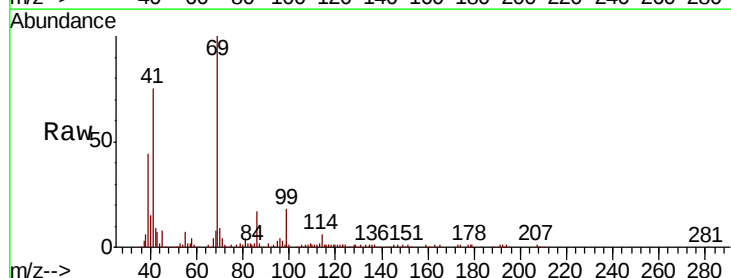
Tgt Ion: 69 Resp: 201242

Ion Ratio Lower Upper

69 100

41 72.0 55.3 82.9

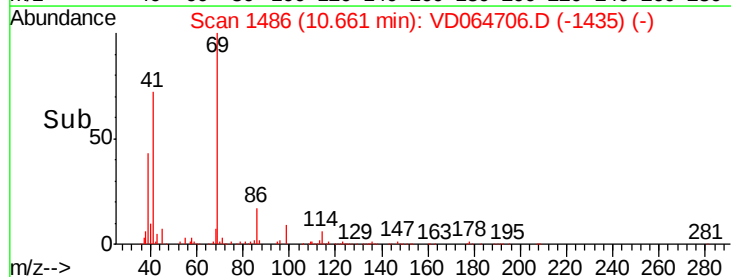
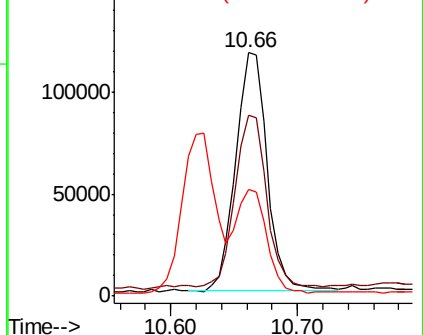
39 42.2 33.8 50.8

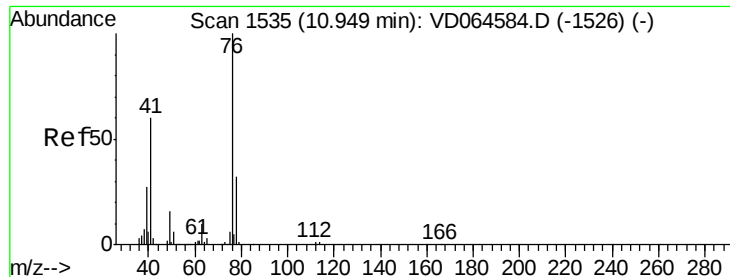


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 54.950 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 273853

Ion Ratio Lower Upper

76 100

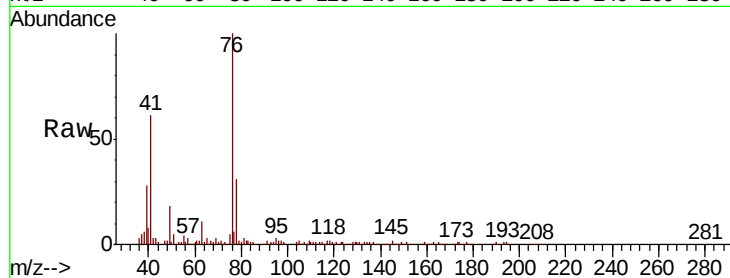
78 31.4 26.2 39.4

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

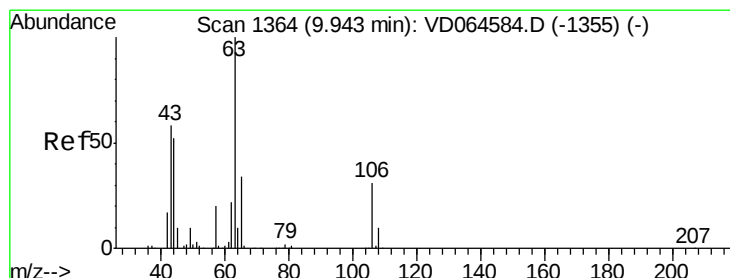
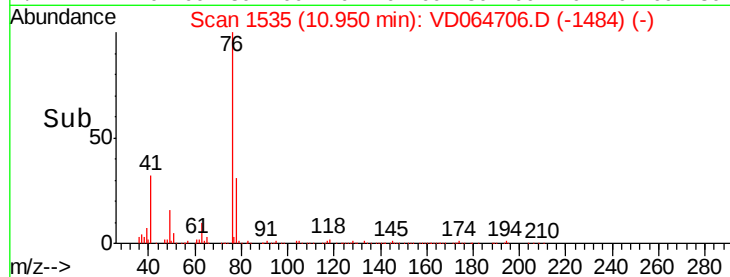
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.477 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064706.D

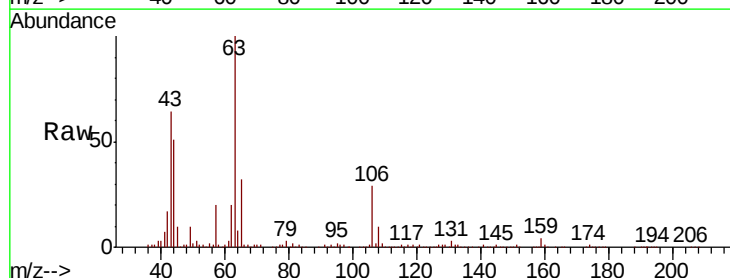
Acq: 31 Dec 2019 20:33

Tgt Ion: 63 Resp: 336694

Ion Ratio Lower Upper

63 100

106 31.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

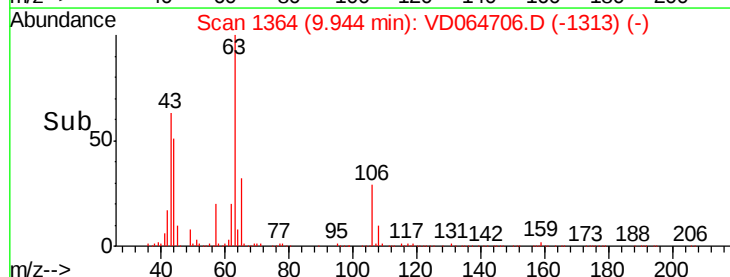
150000

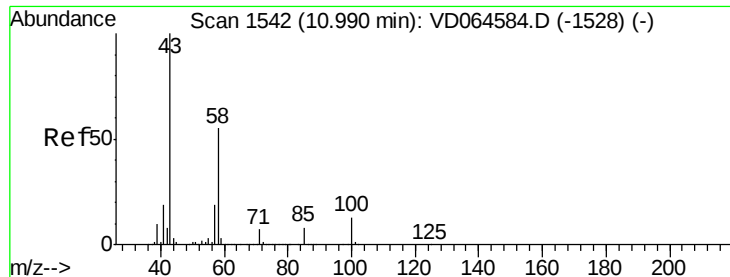
100000

50000

0

Time-->





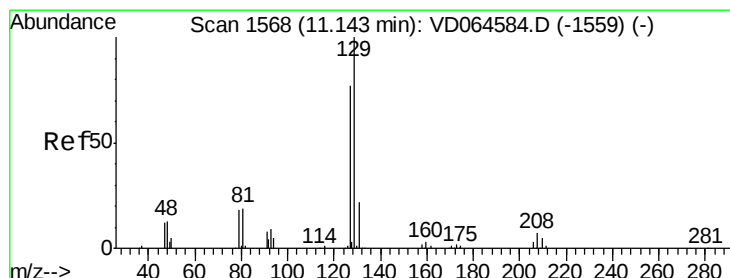
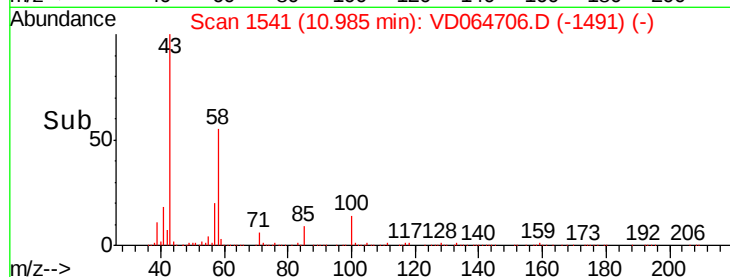
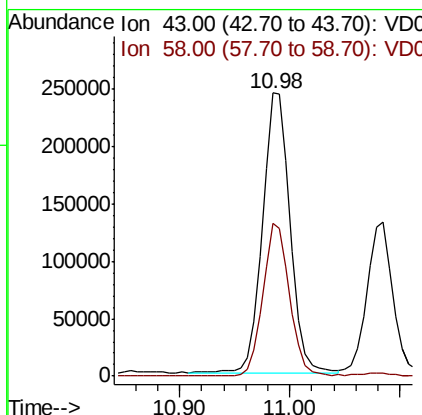
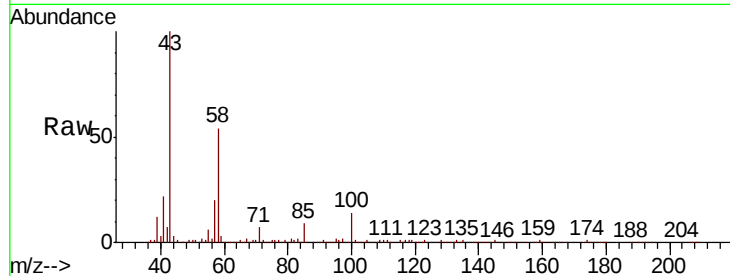
#59
2-Hexanone
Concen: 274.829 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 426083
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0

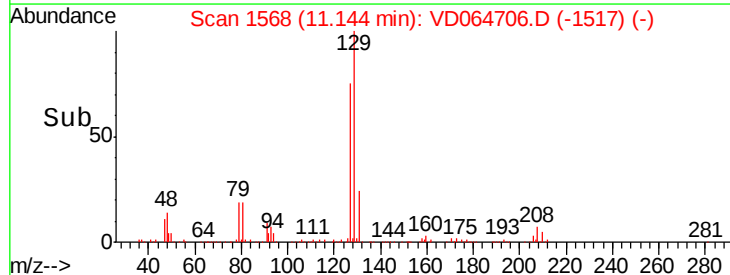
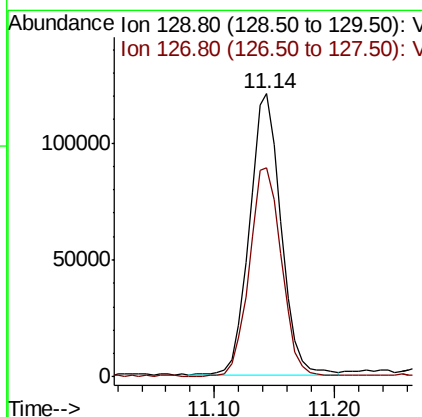
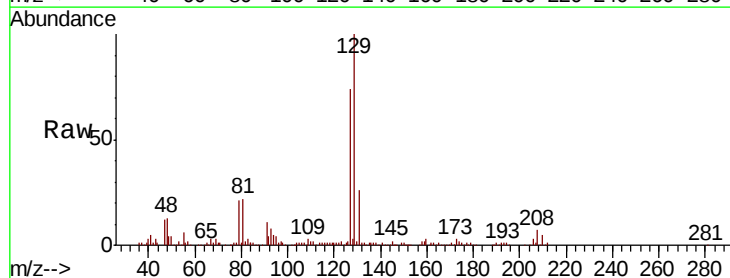
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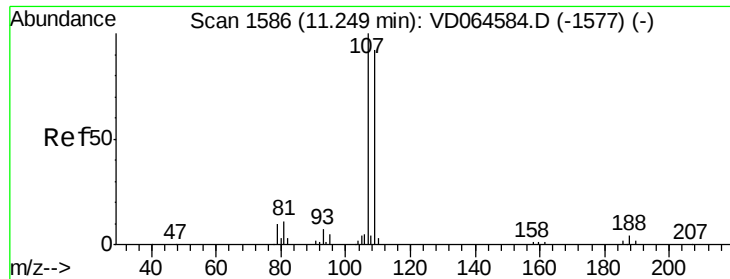
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#60
Dibromochloromethane
Concen: 54.626 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion: 129 Resp: 218647
Ion Ratio Lower Upper
129 100
127 75.0 38.4 115.2





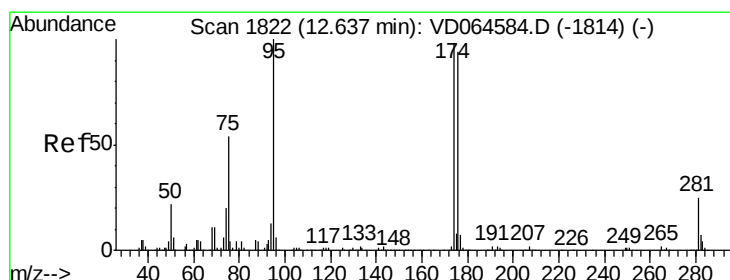
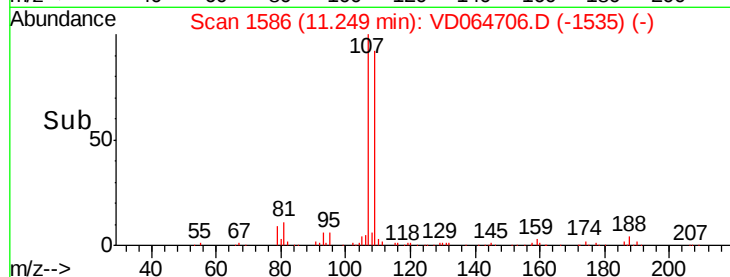
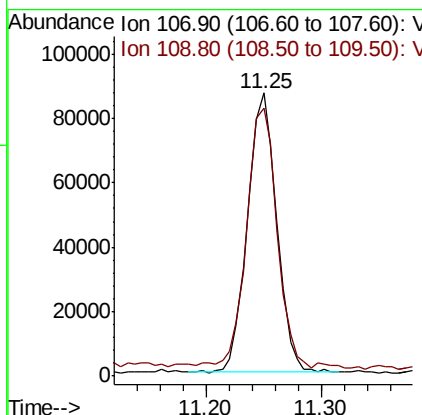
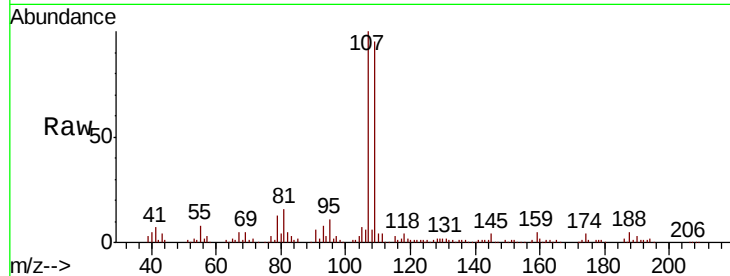
#61
 1,2-Dibromoethane
 Concen: 53.752 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.6	113.4

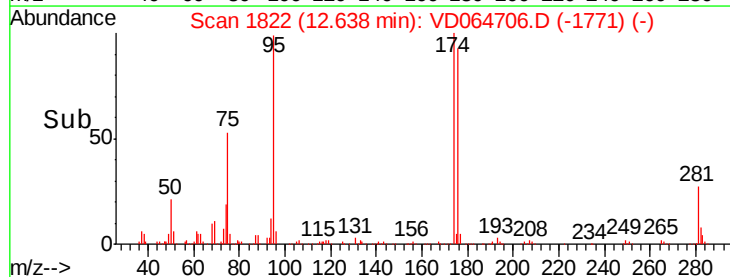
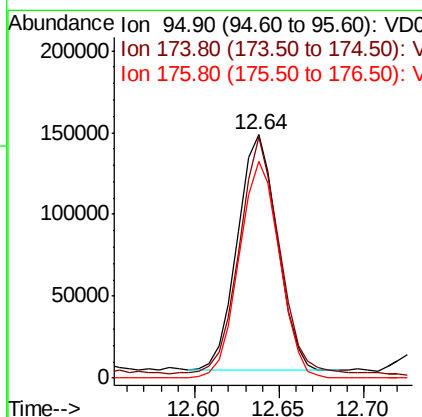
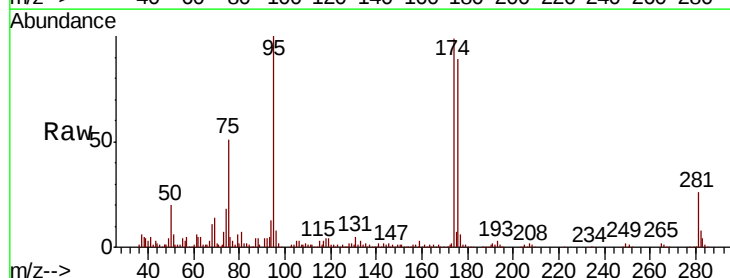
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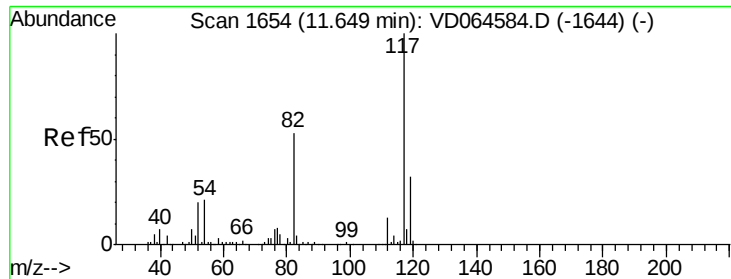
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#62
 4-Bromofluorobenzene
 Concen: 51.908 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.3	0.0	193.2
176	93.5	0.0	184.2





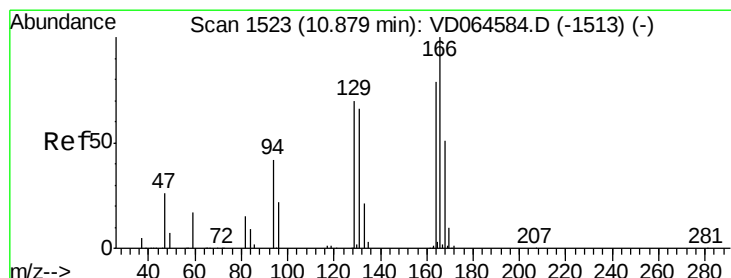
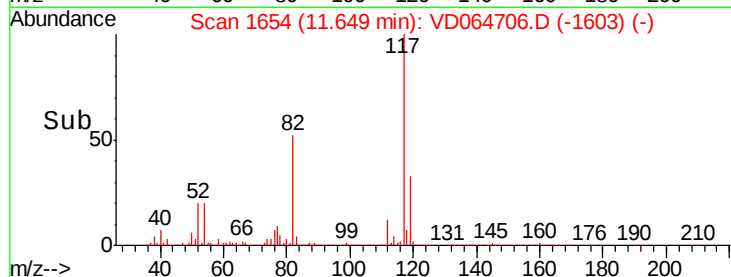
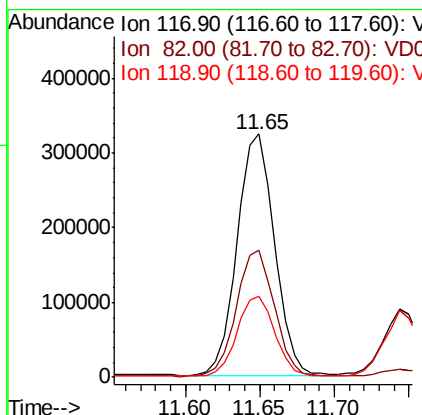
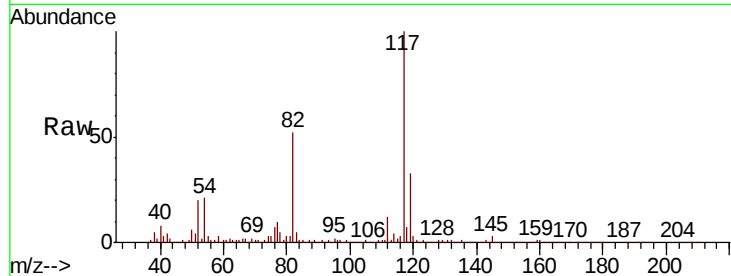
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.2	63.4
119	33.0	26.0	39.0

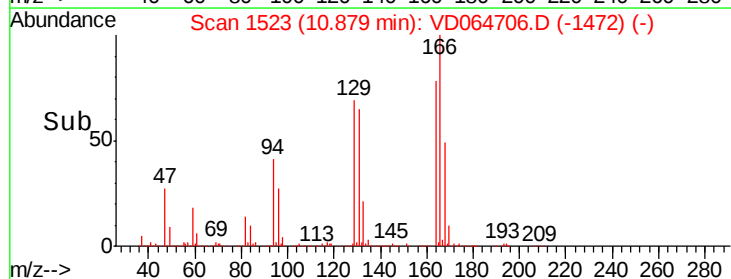
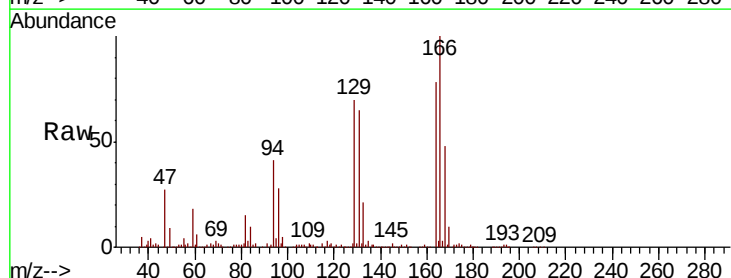
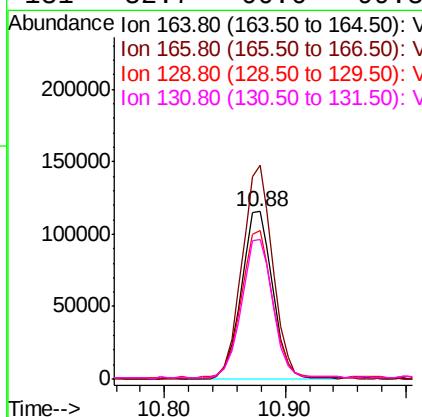
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#64
Tetrachloroethene
Concen: 48.216 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.3	151.9
129	88.5	70.5	105.7
131	82.7	66.6	99.8





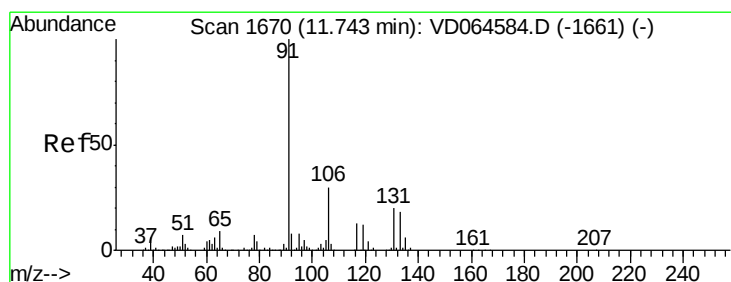
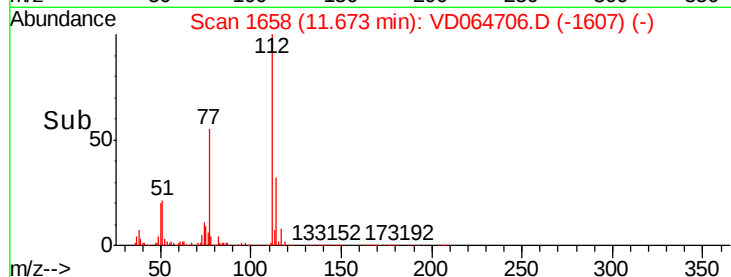
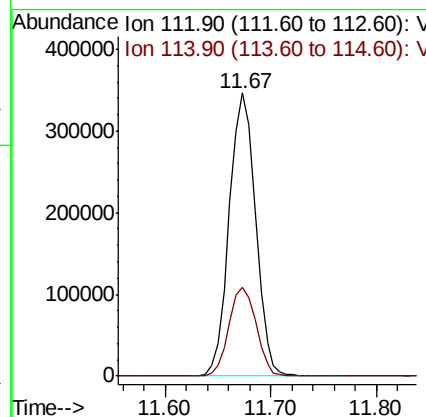
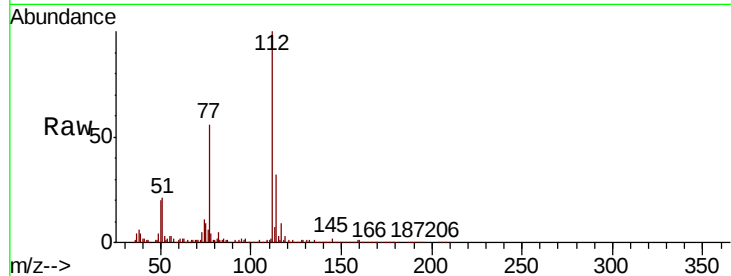
#65
Chlorobenzene
Concen: 51.148 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2

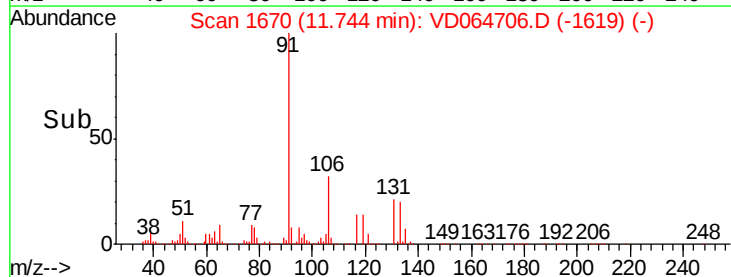
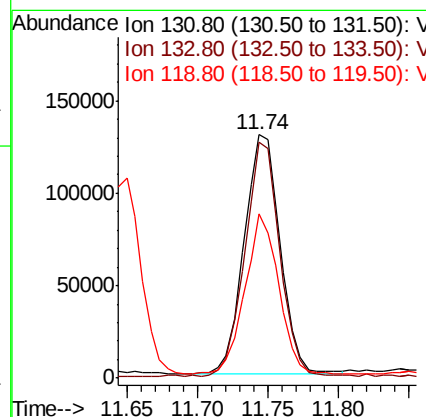
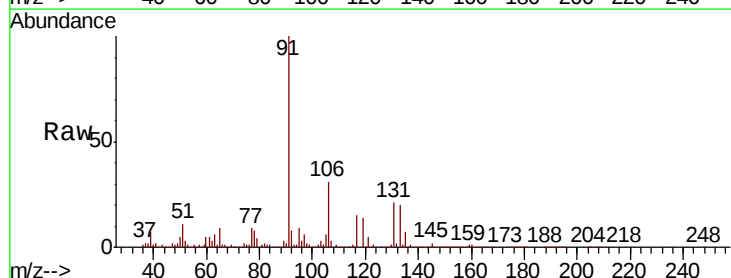
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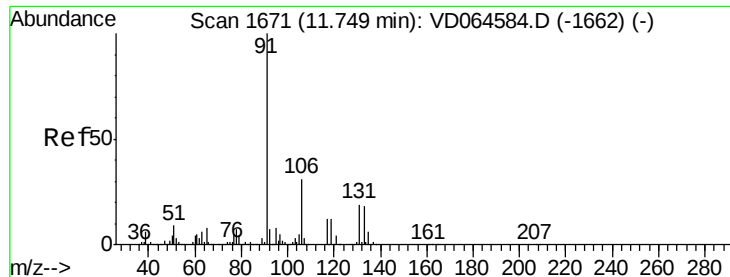
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.645 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.3	144.8
119	62.6	32.1	96.3





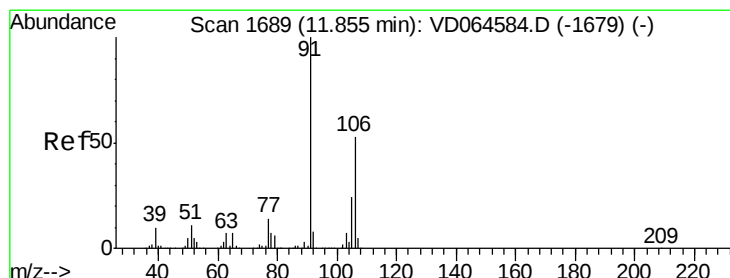
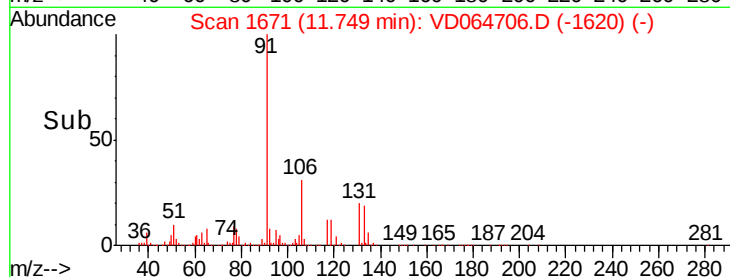
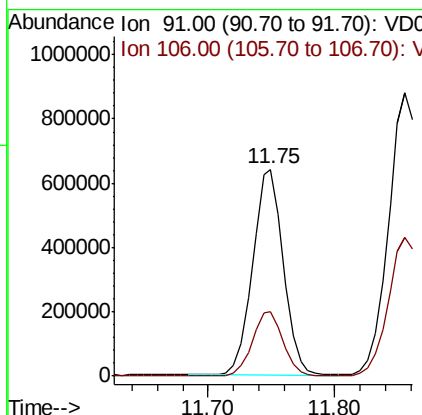
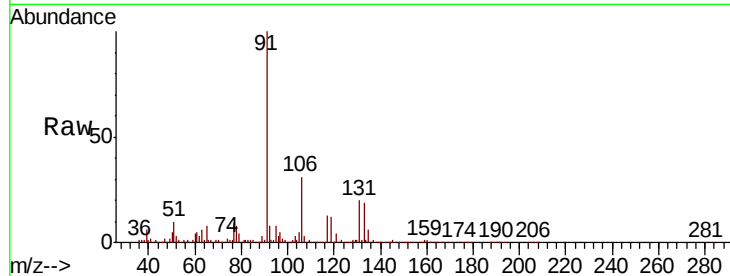
#67
Ethyl Benzene
Concen: 50.599 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 91 Resp: 1074246
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

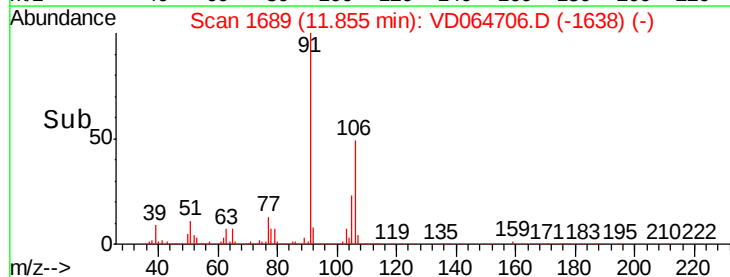
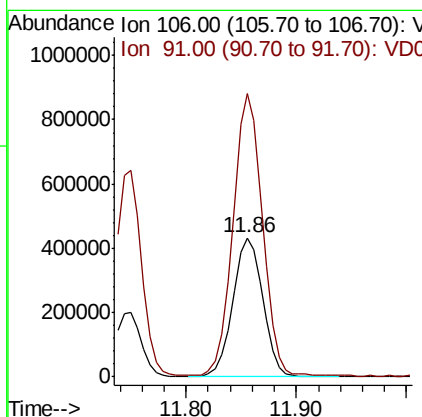
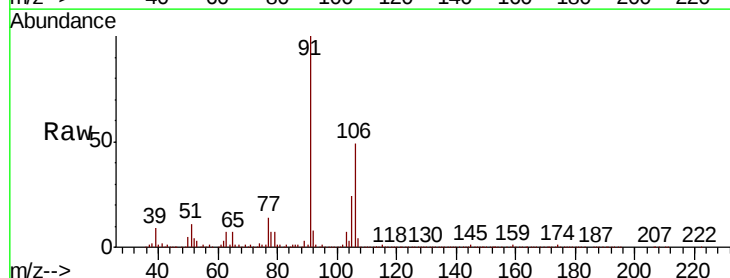
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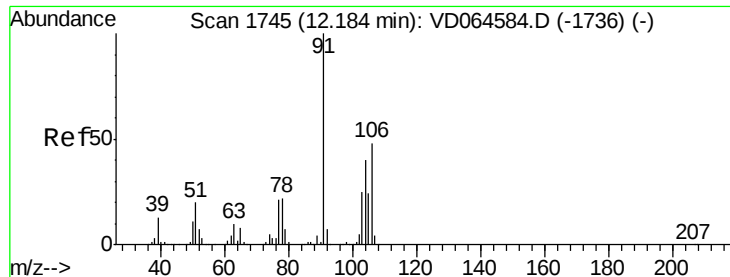
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#68
m/p-Xylenes
Concen: 100.038 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion: 106 Resp: 819768
Ion Ratio Lower Upper
106 100
91 200.5 156.3 234.5





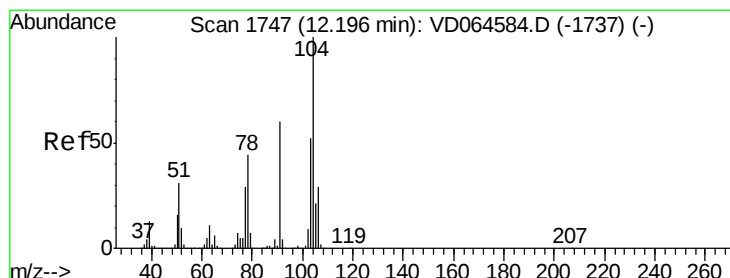
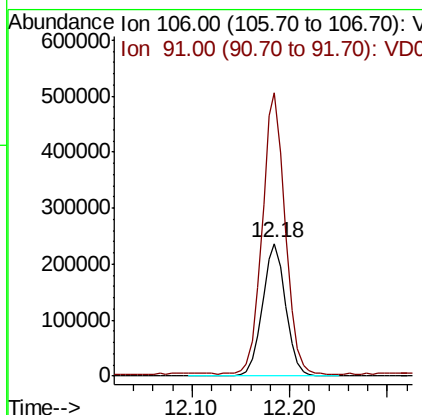
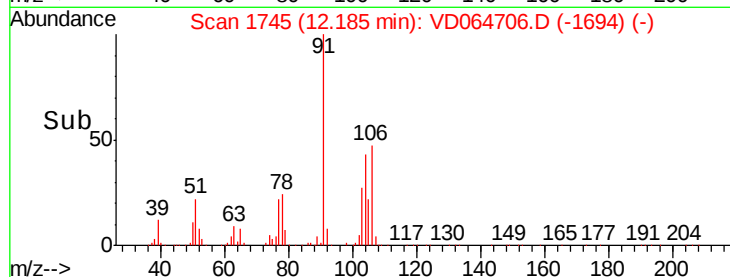
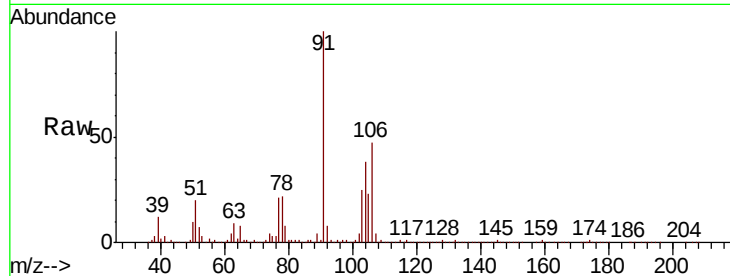
#69
o-Xylene
Concen: 53.150 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	104.8	314.4

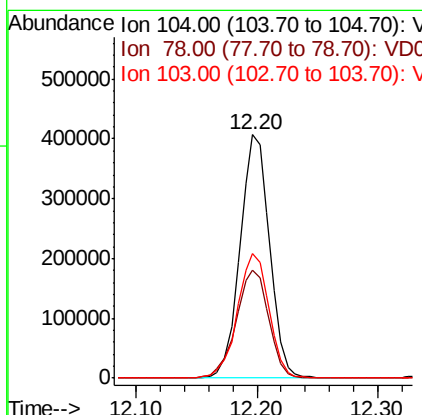
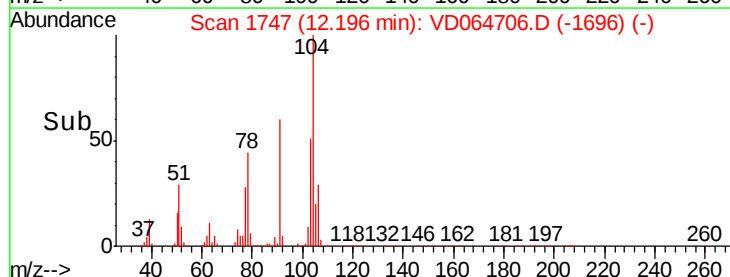
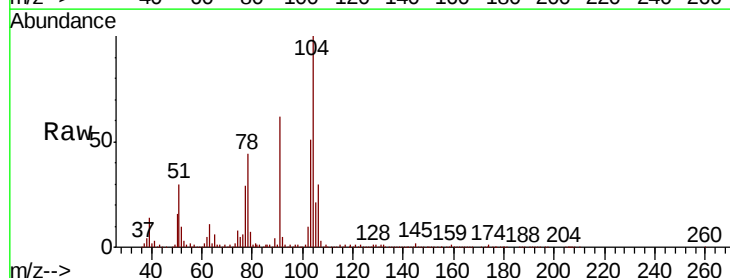
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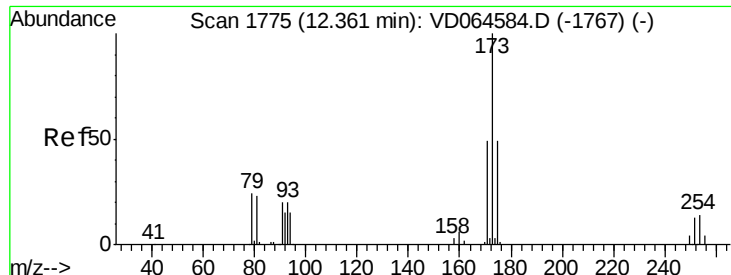
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#70
Styrene
Concen: 53.030 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.2	57.2
103	54.8	44.6	67.0





#71

Bromoform

Concen: 54.416 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 136837

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.8

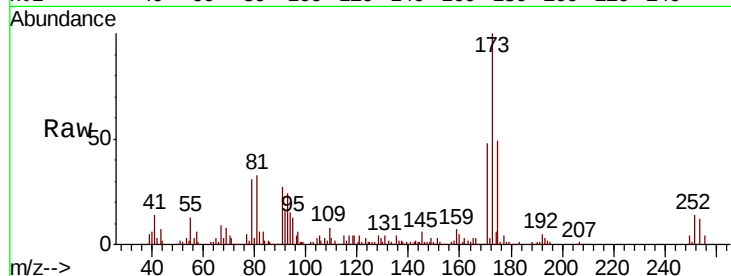
254 0.1 0.1 0.1#

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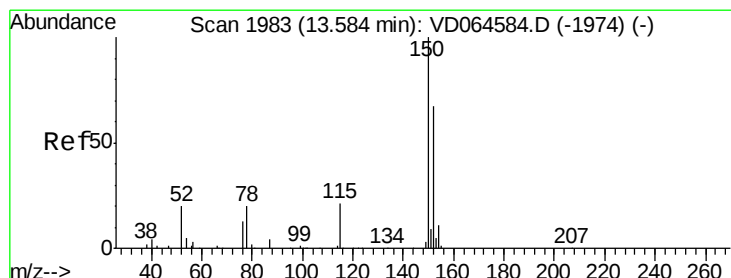
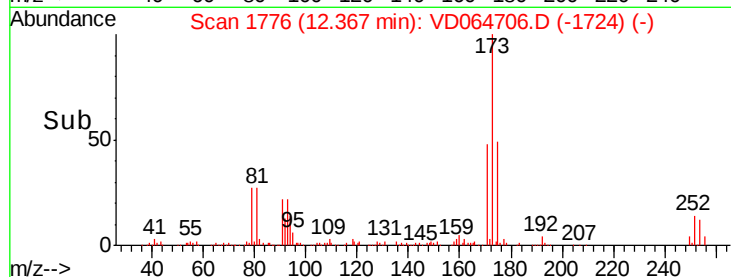
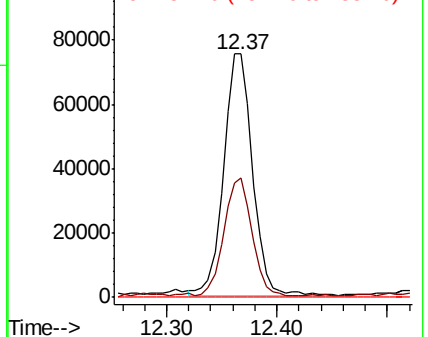
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

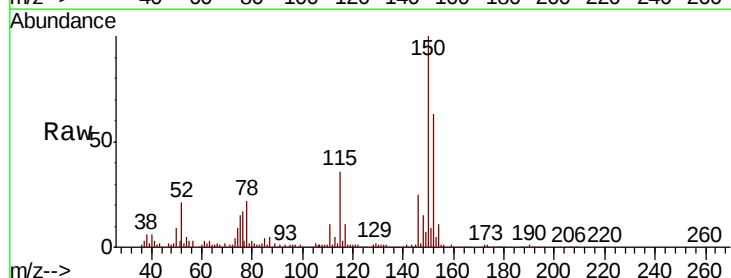
Tgt Ion:152 Resp: 285100

Ion Ratio Lower Upper

152 100

115 59.5 27.8 83.4

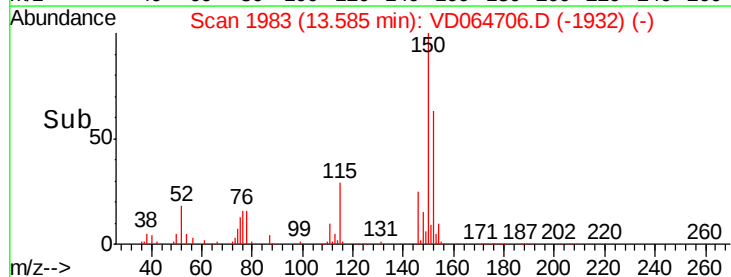
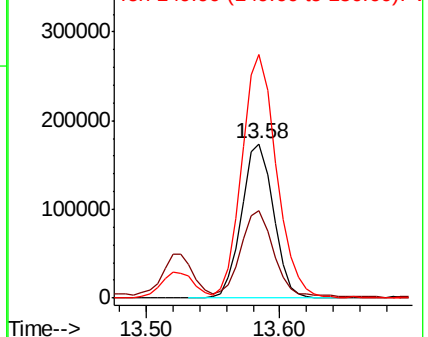
150 171.9 0.0 351.4

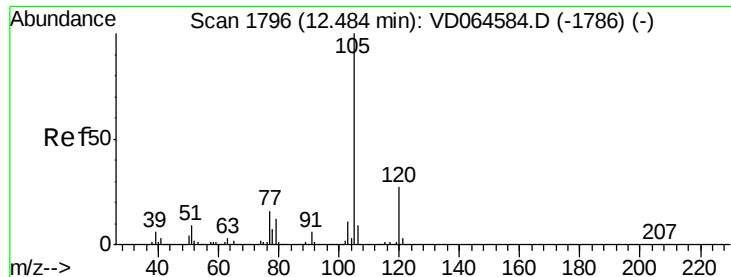


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.808 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1014781

Ion Ratio Lower Upper

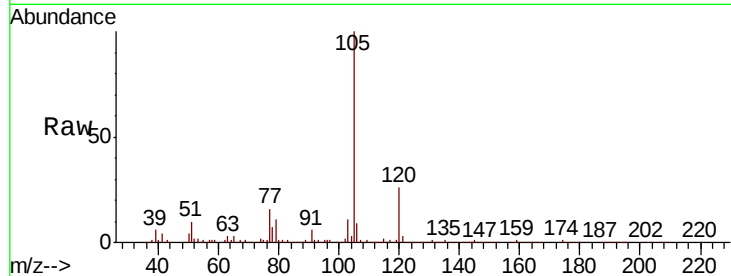
105 100

120 27.0 13.5 40.5

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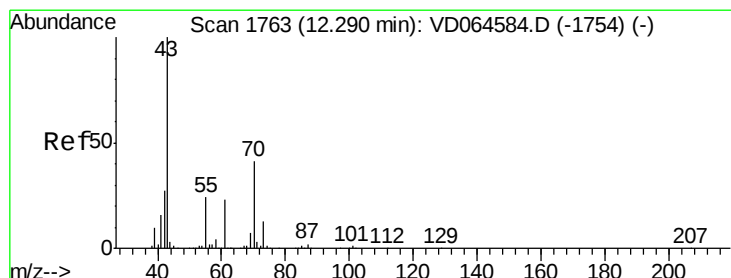
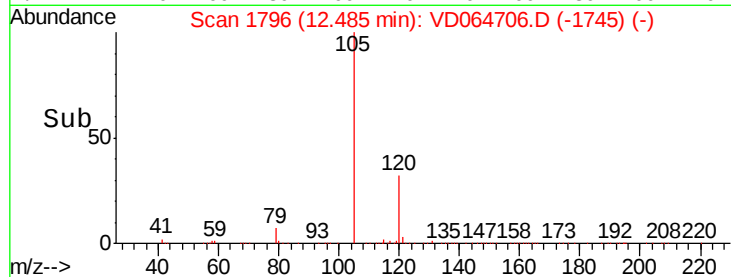
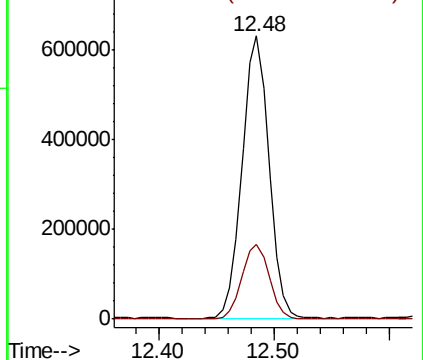
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.180 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion: 43 Resp: 244676

Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 30.9 19.4 29.0#

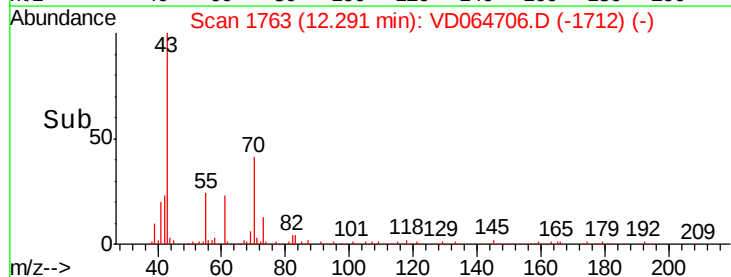
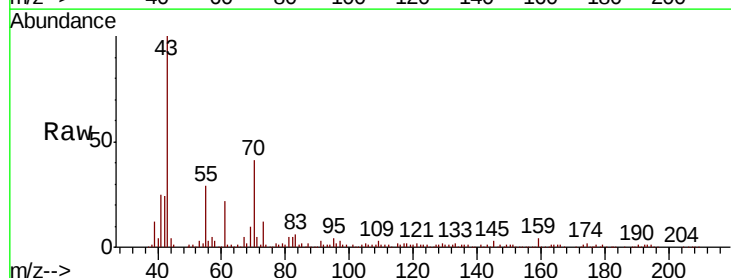
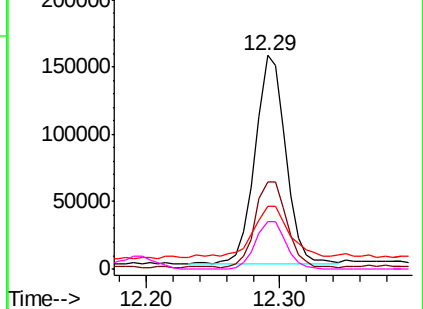
61 22.8 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.067 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

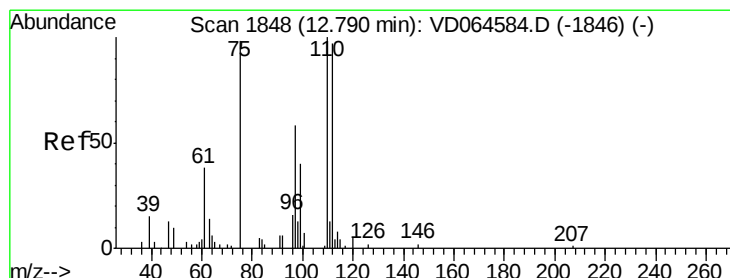
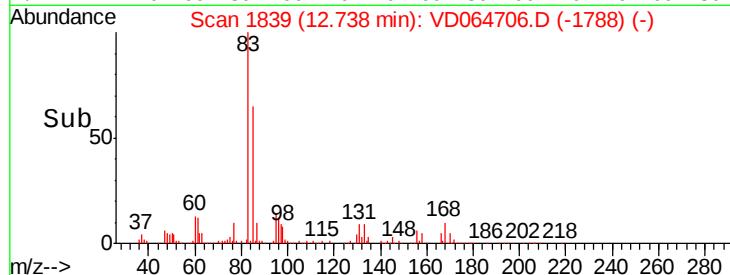
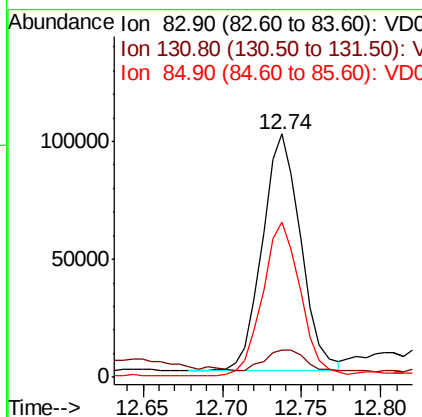
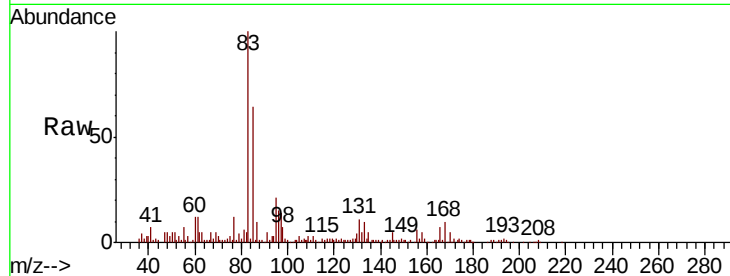
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	169842
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.4
85	63.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 58.522 ug/l m

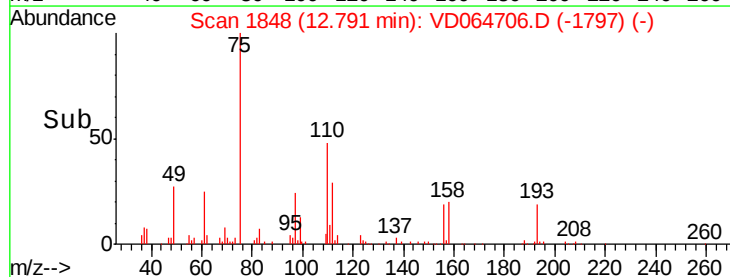
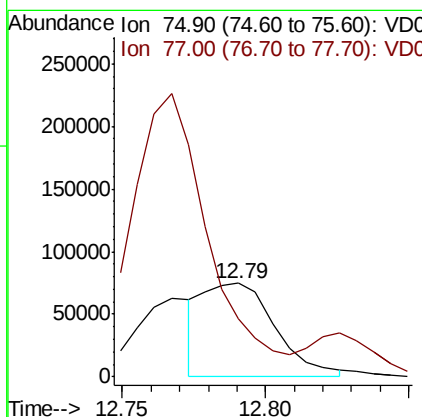
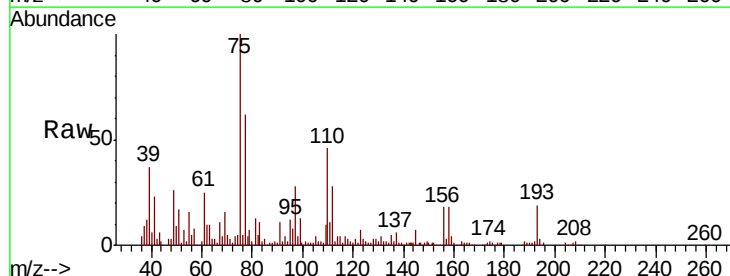
RT: 12.79 min Scan# 1848

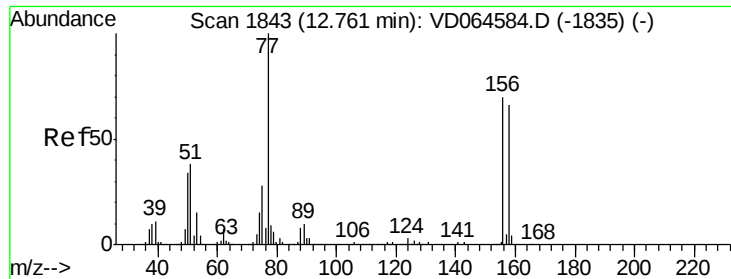
Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion:	75	Resp:	131751
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.649 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

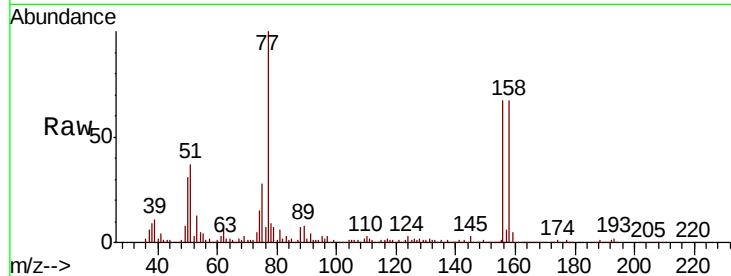
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	258564
Ion Ratio	Lower	Upper	
156	100		
77	163.0	80.9	242.7
158	98.2	48.0	144.2

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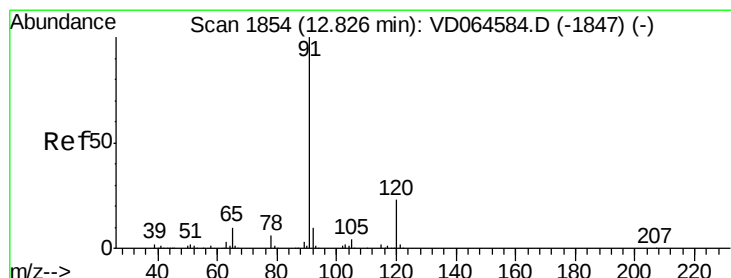
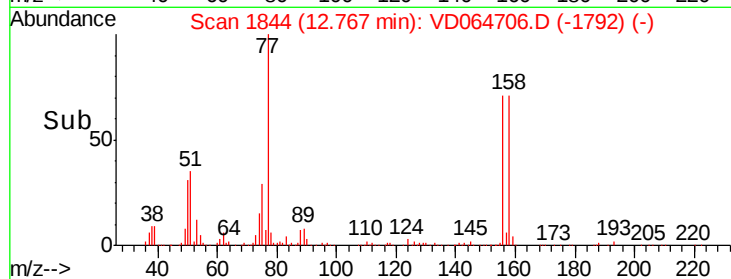
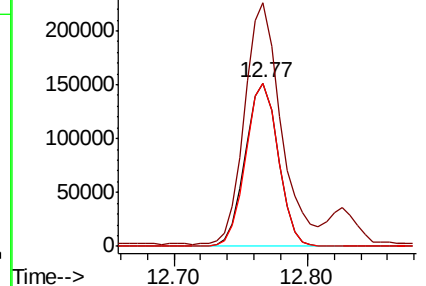
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.361 ug/l

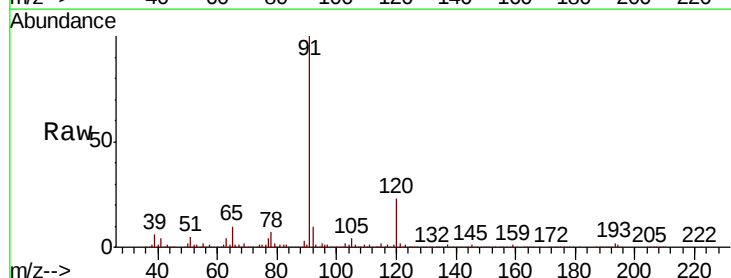
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064706.D

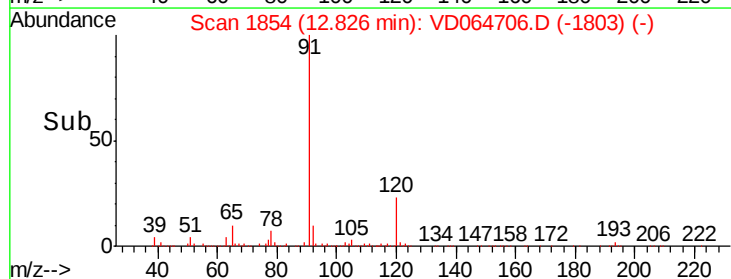
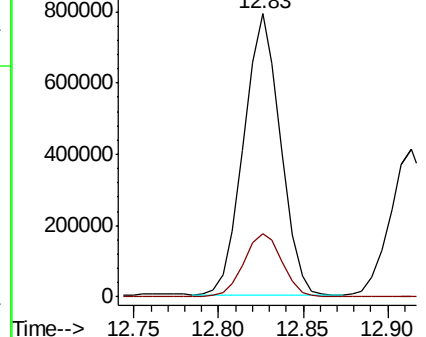
Acq: 31 Dec 2019 20:33

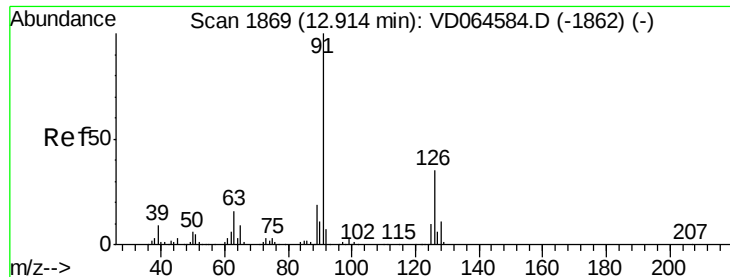
Tgt Ion:	91	Resp:	1197007
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.902 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 664627

Ion Ratio Lower Upper

91 100

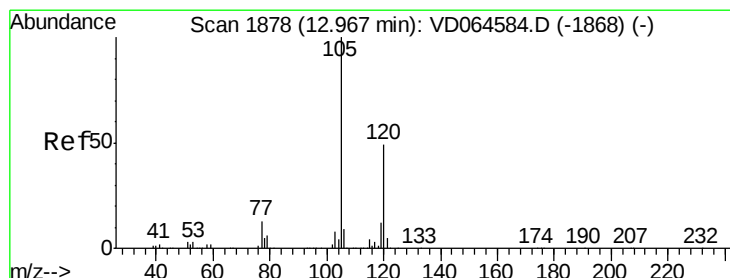
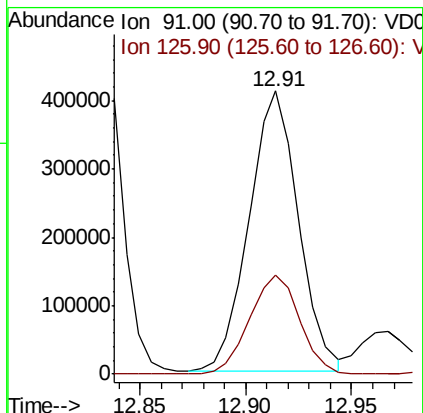
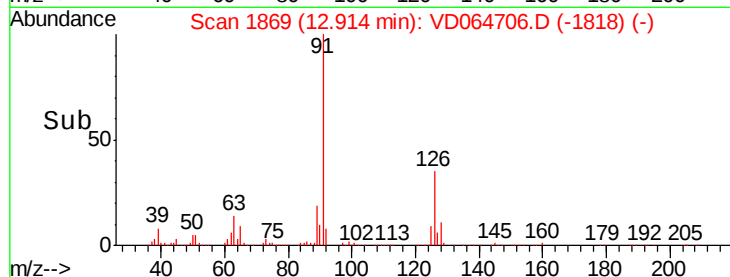
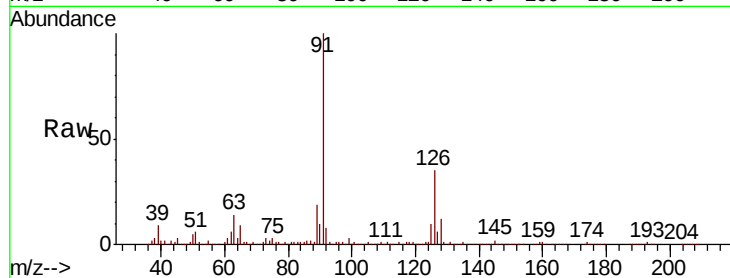
126 35.7 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 51.862 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064706.D

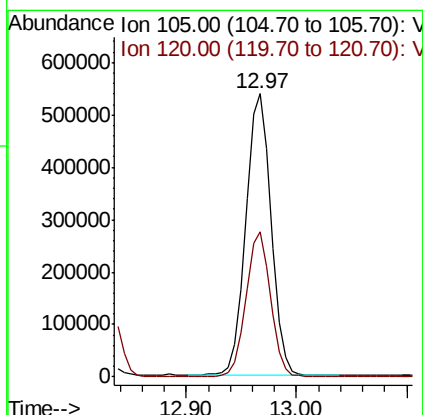
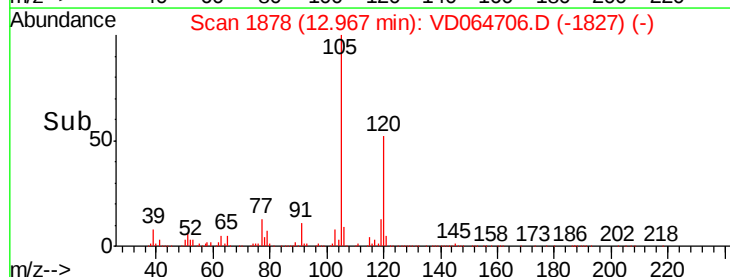
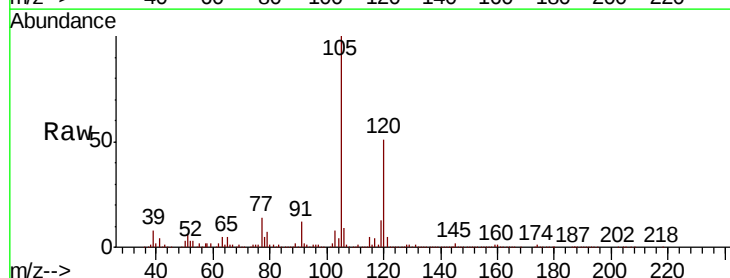
Acq: 31 Dec 2019 20:33

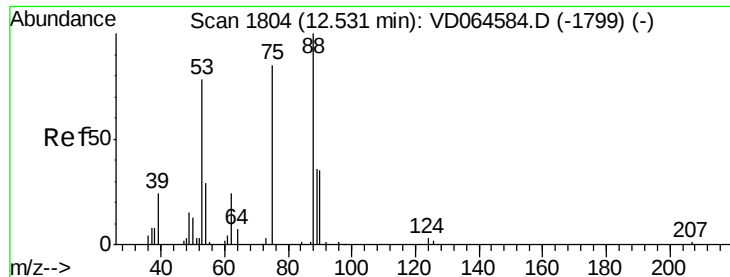
Tgt Ion: 105 Resp: 867965

Ion Ratio Lower Upper

105 100

120 49.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.670 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 53466

Ion Ratio Lower Upper

75 100

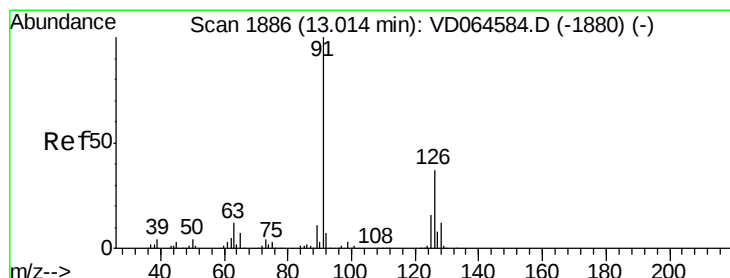
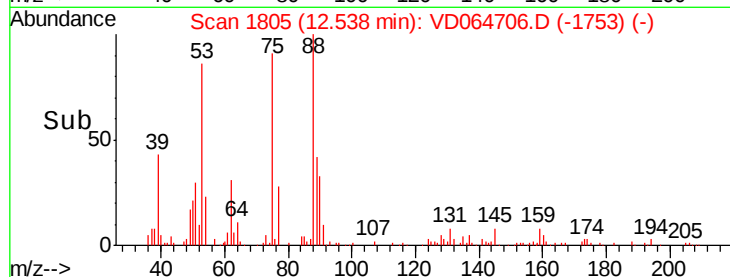
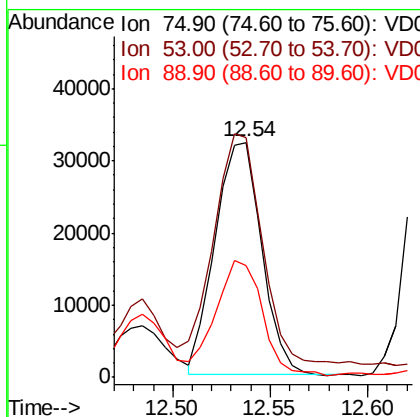
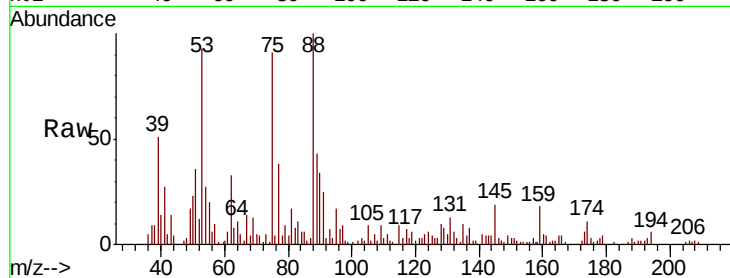
53 105.1 78.8 118.2

89 48.7 38.3 57.5

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#82

4-Chlorotoluene

Concen: 51.101 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064706.D

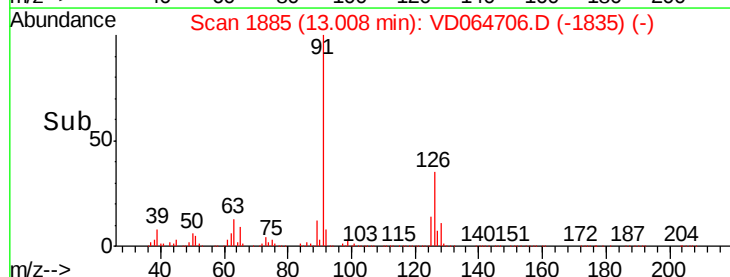
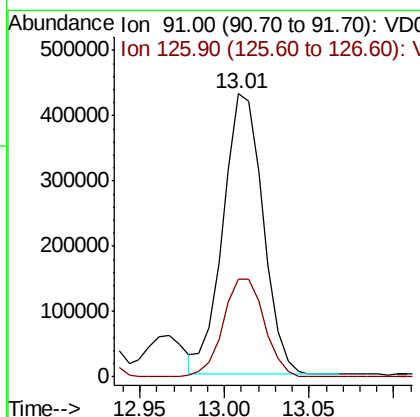
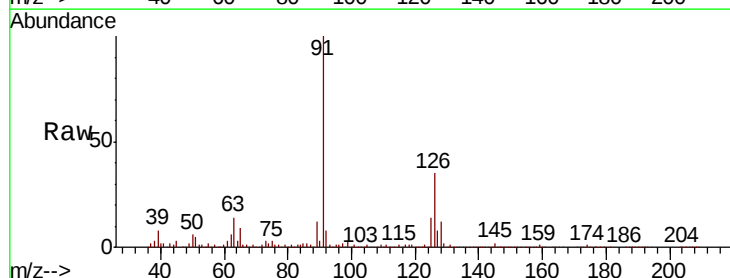
Acq: 31 Dec 2019 20:33

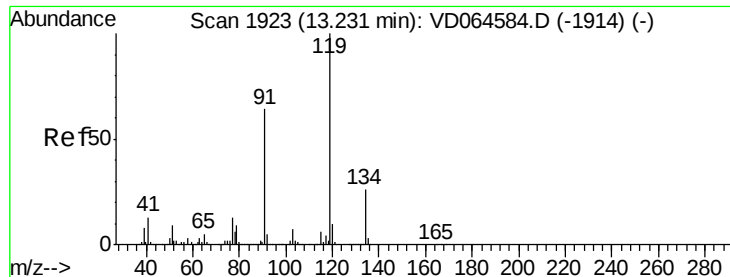
Tgt Ion: 91 Resp: 710057

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5





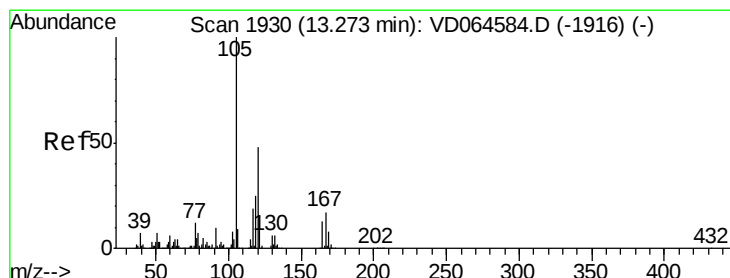
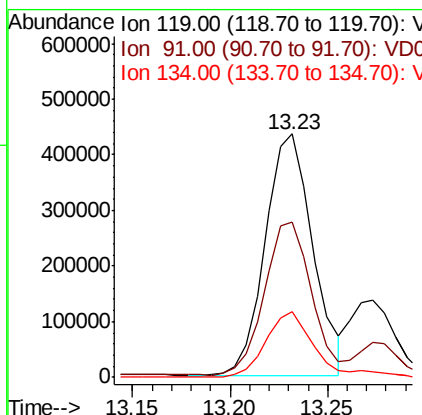
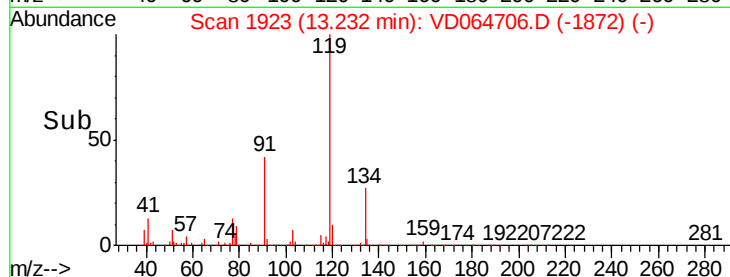
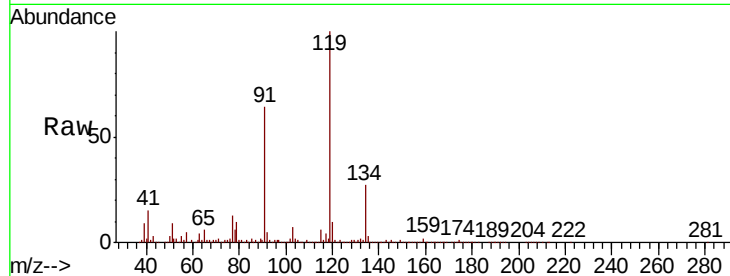
#83
tert-Butylbenzene
Concen: 50.408 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.8	92.4
134	27.9	12.8	38.3

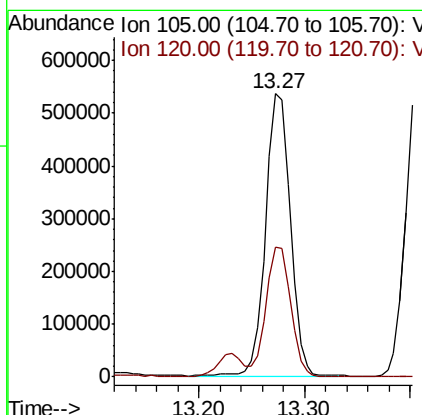
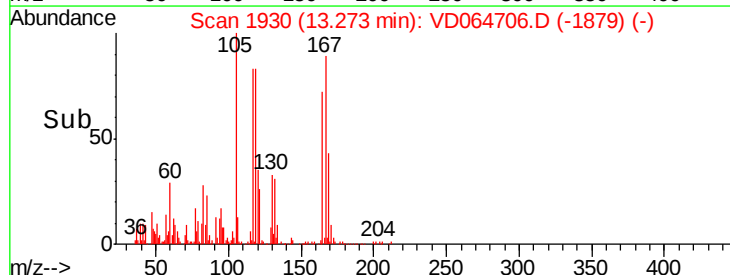
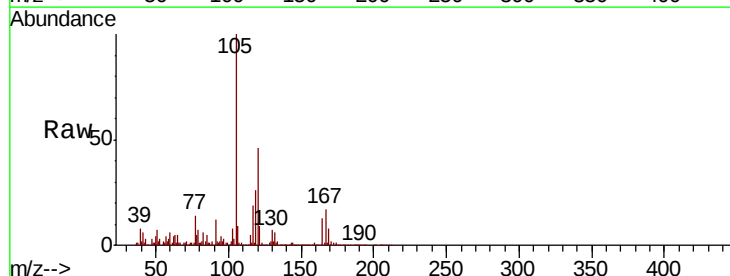
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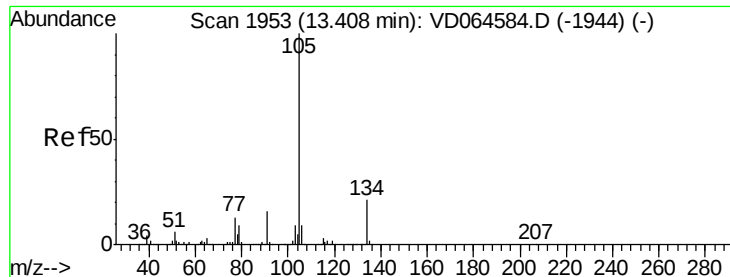
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#84
1,2,4-Trimethylbenzene
Concen: 52.035 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.8	71.2





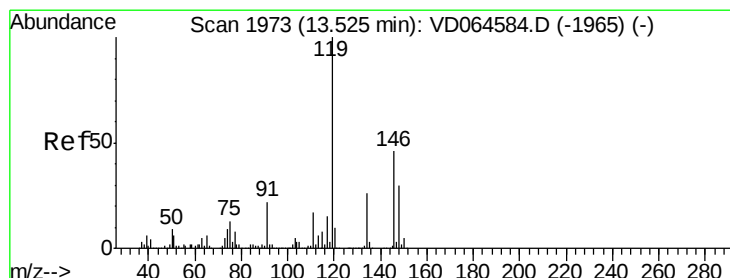
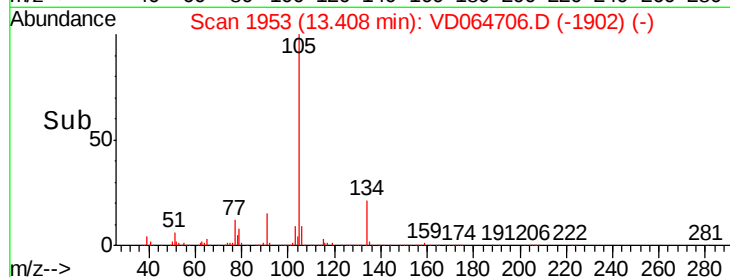
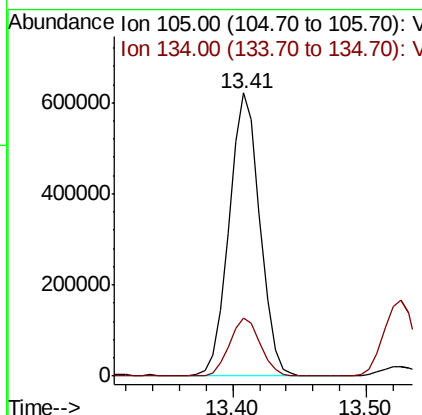
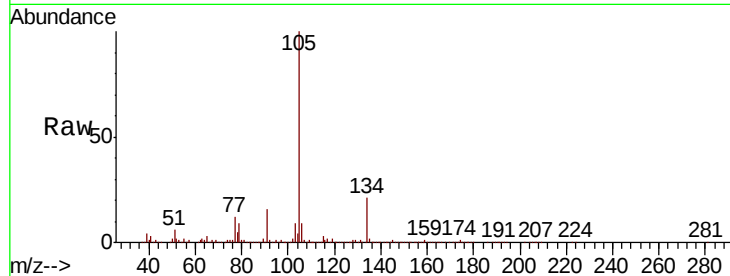
#85
 sec-Butylbenzene
 Concen: 49.637 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.6	31.8

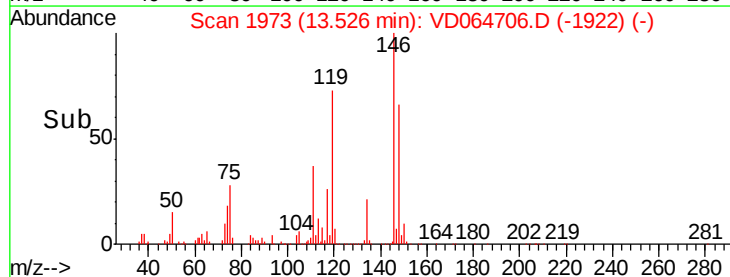
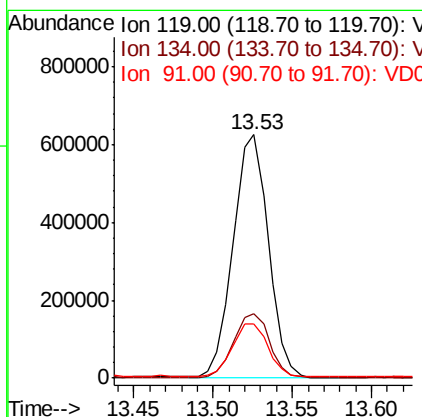
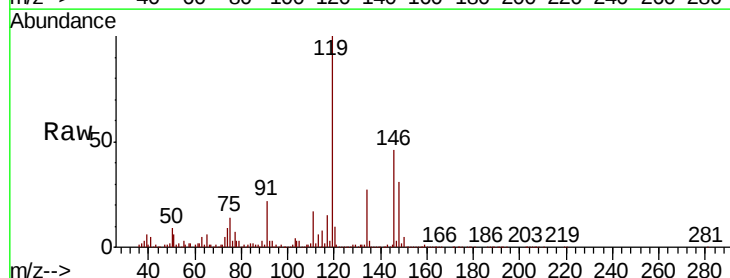
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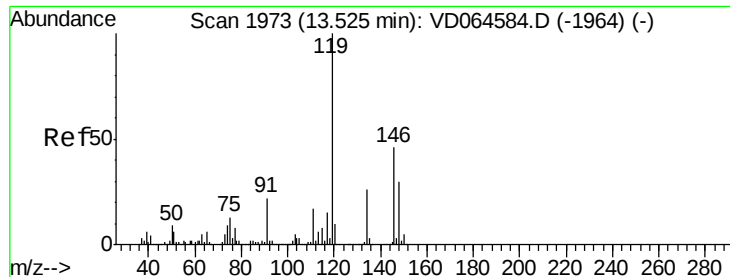
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#86
 p-Isopropyltoluene
 Concen: 50.370 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.4	40.1
91	22.4	11.2	33.6





#87

1,3-Dichlorobenzene

Concen: 51.358 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Instrument :

MSVOA_D

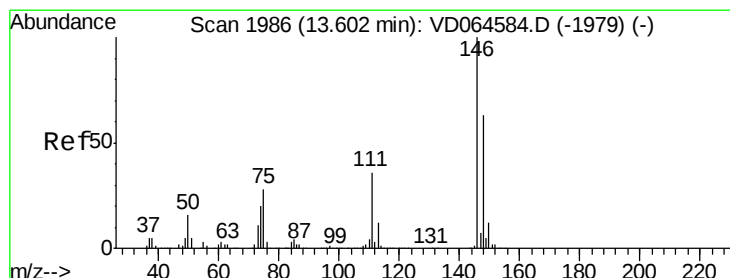
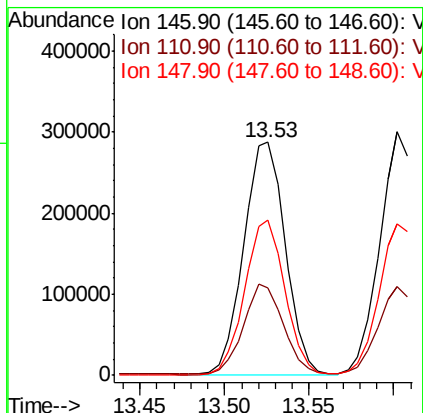
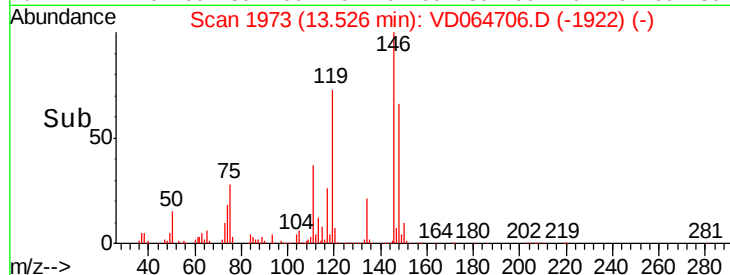
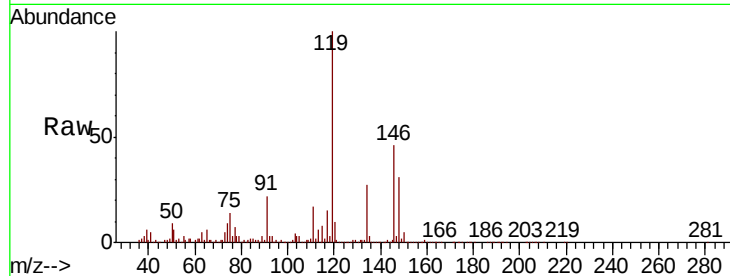
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	490127
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.8	56.4
148	64.7	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 51.952 ug/l

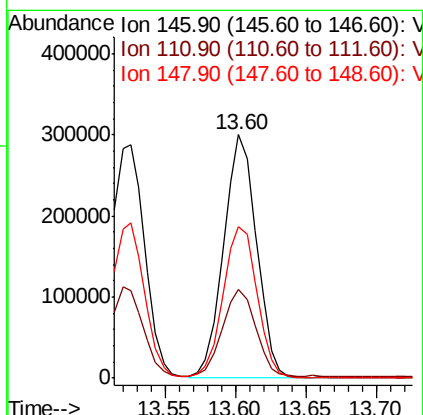
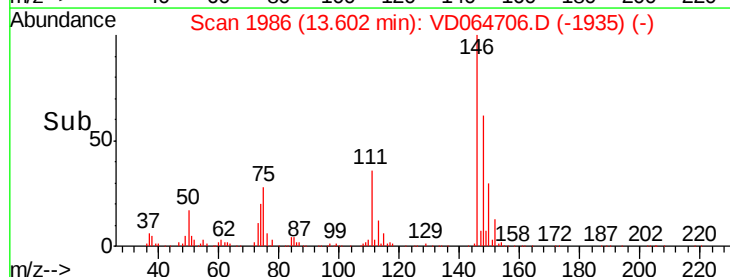
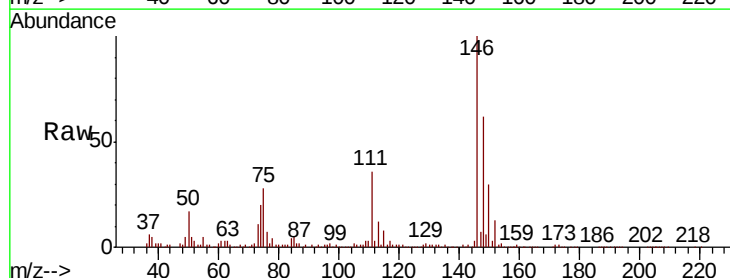
RT: 13.60 min Scan# 1986

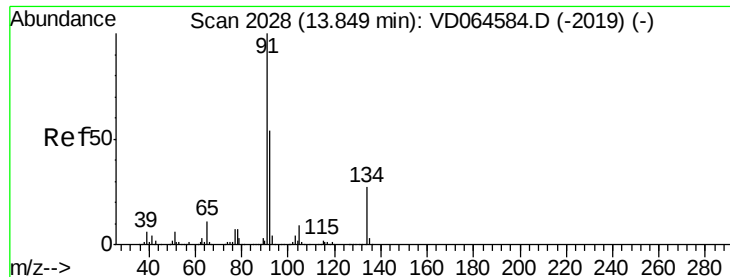
Delta R.T. 0.00 min

Lab File: VD064706.D

Acq: 31 Dec 2019 20:33

Tgt Ion:	146	Resp:	487057
Ion Ratio	Lower	Upper	
146	100		
111	35.9	18.1	54.1
148	64.1	32.3	96.9





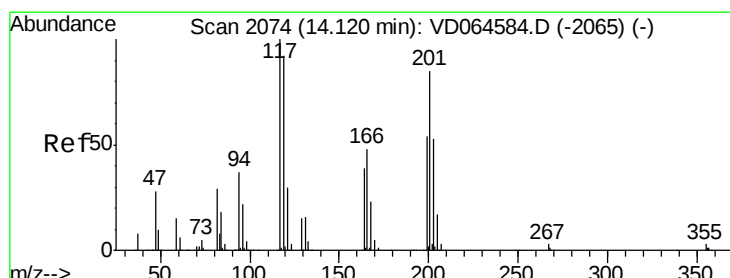
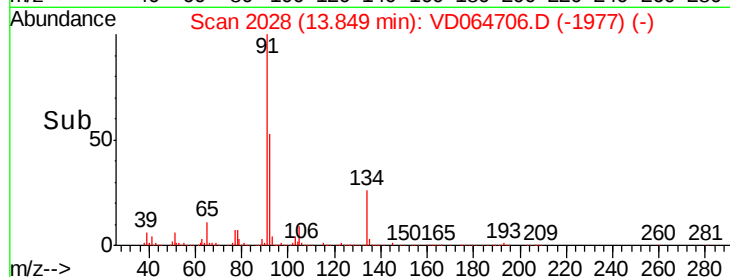
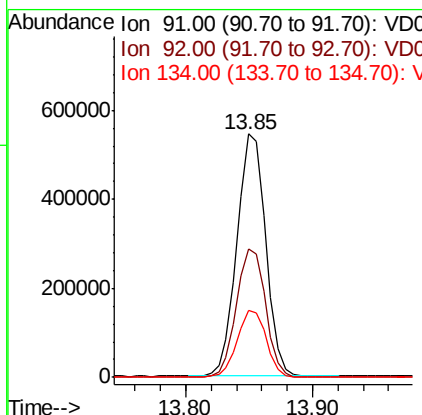
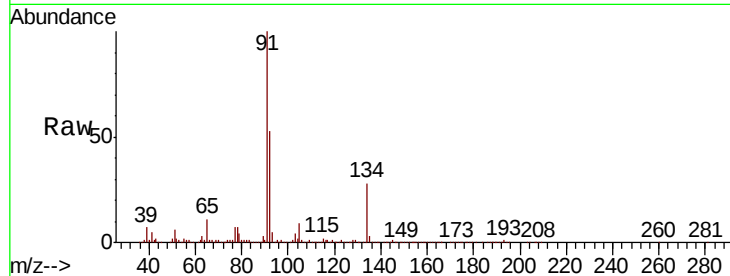
#89
n-Butylbenzene
Concen: 49.833 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.4
134	27.8	14.0	41.9

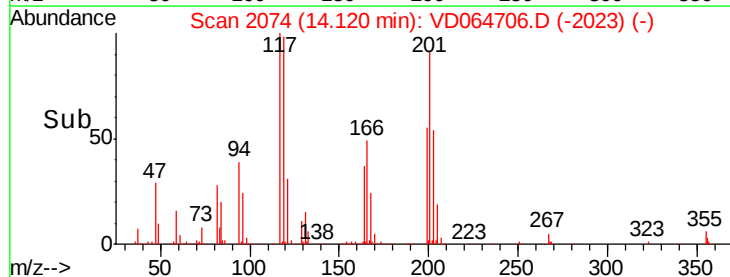
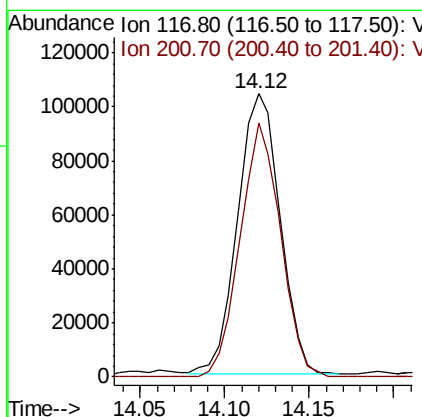
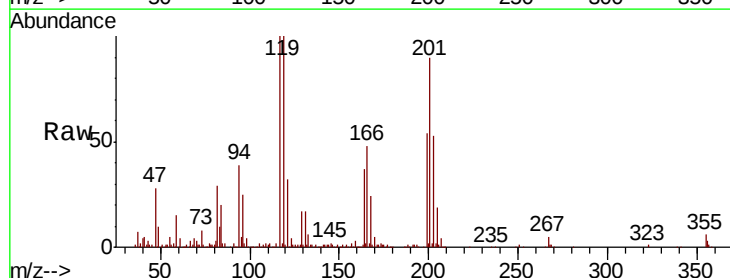
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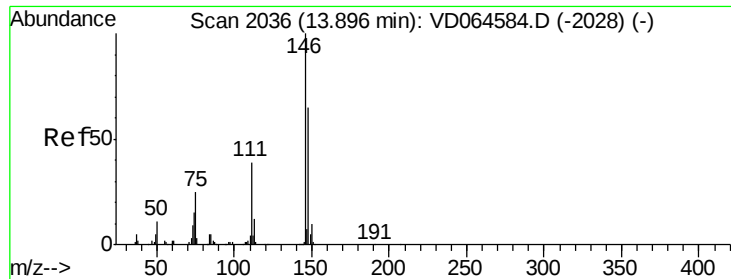
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#90
Hexachloroethane
Concen: 49.620 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	44.0	131.8





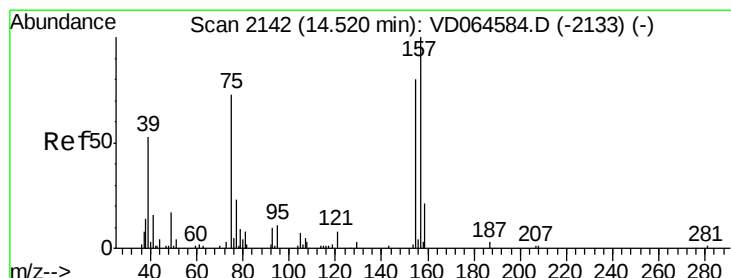
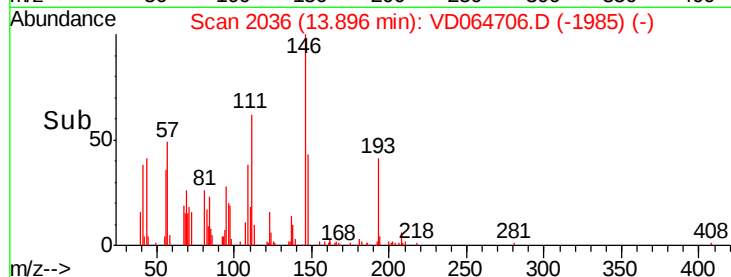
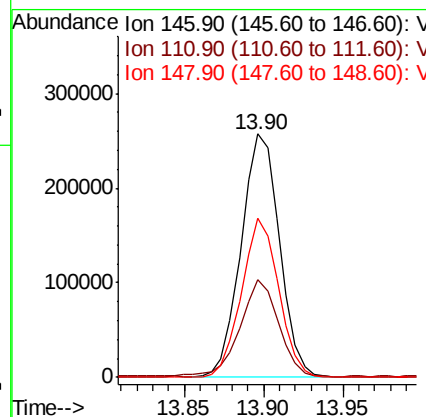
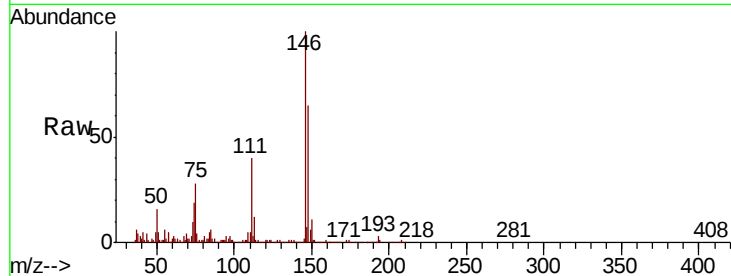
#91
 1,2-Dichlorobenzene
 Concen: 53.047 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.3	57.9
148	63.8	31.9	95.5

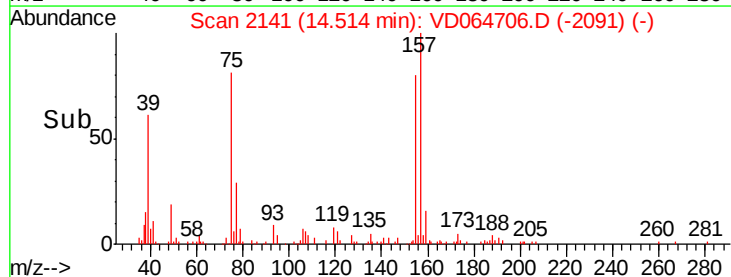
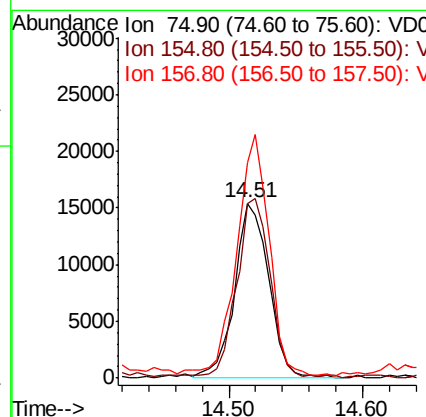
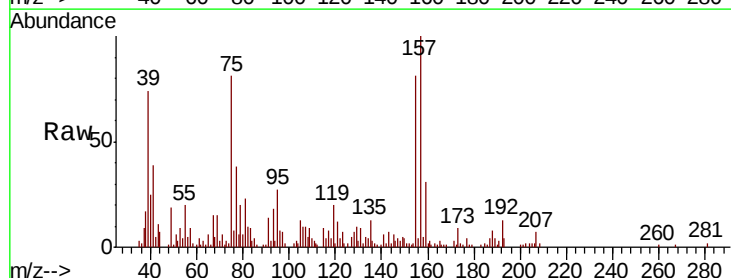
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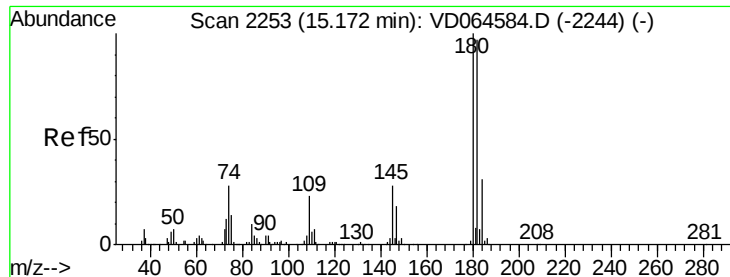
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.114 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	48.0	144.0
157	128.4	64.1	192.3





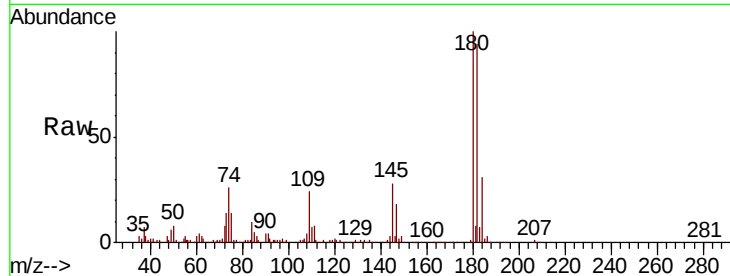
#93
 1,2,4-Trichlorobenzene
 Concen: 52.073 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

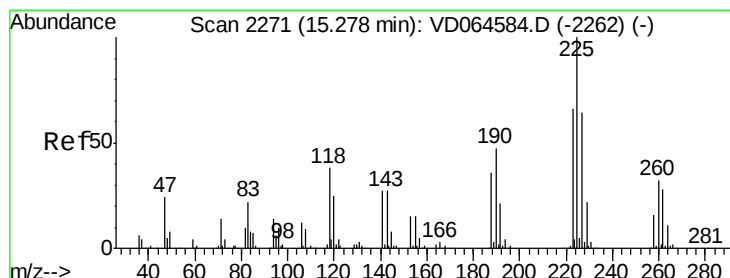
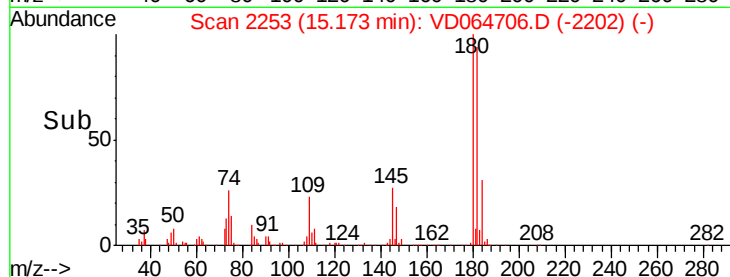
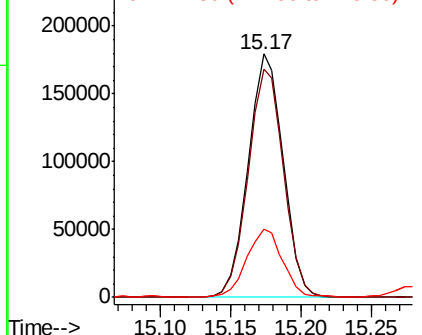
Tot Ion:	180	Resp:	312019
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.0	144.2
145	28.7	13.8	41.4

Manual Integrations
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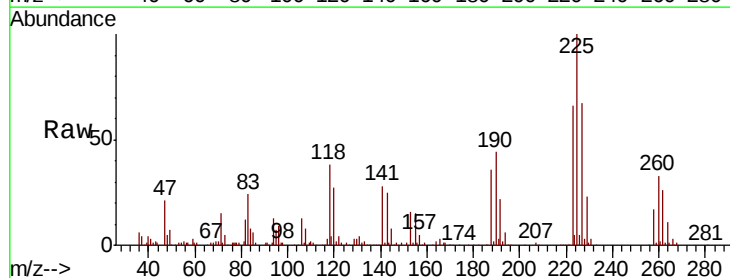


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

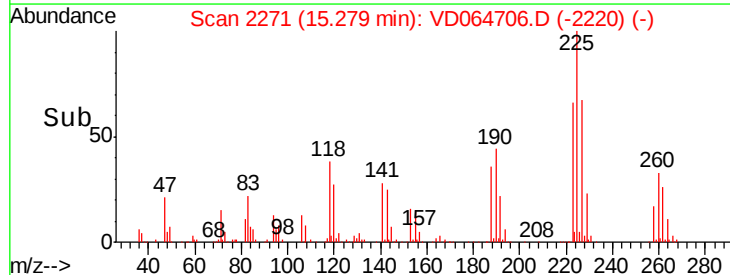
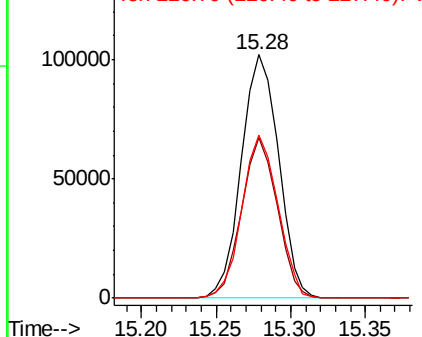


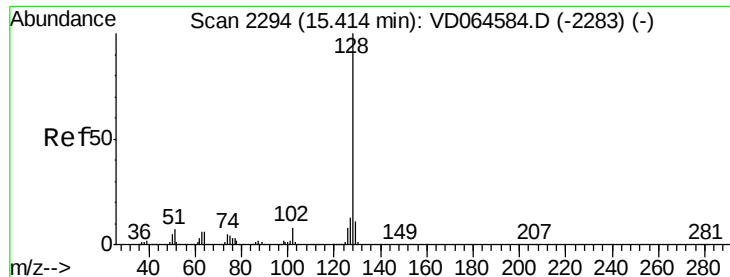
#94
 Hexachlorobutadiene
 Concen: 46.841 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064706.D
 Acq: 31 Dec 2019 20:33

Tgt Ion:	225	Resp:	176614
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.1	93.2
227	64.8	30.9	92.7



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





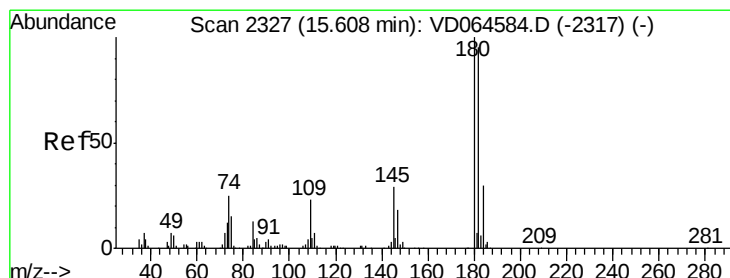
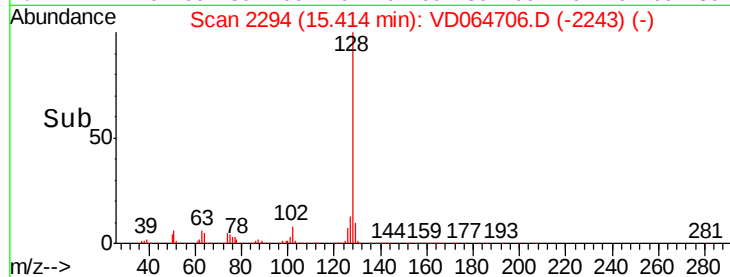
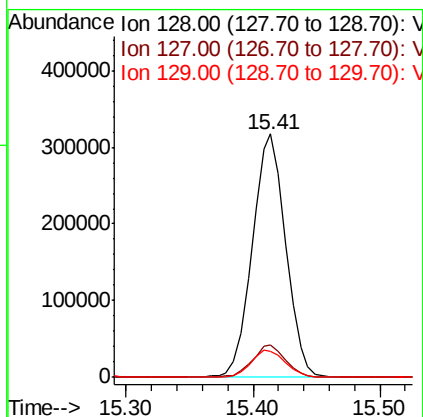
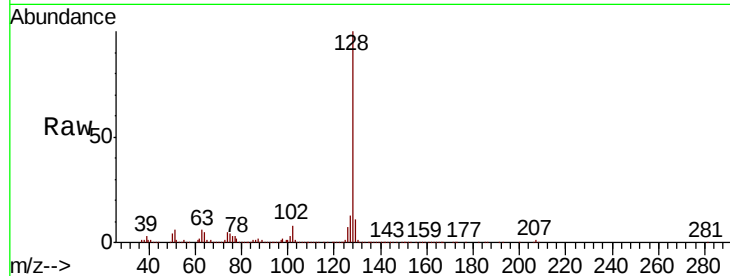
#95
Naphthalene
Concen: 61.070 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.4	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.609 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064706.D
Acq: 31 Dec 2019 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	31.5	14.9	44.7

